UD COMPONENT SYSTEM/COMPACT HI-FI SYSTEM

RXD-F4

SERVICE MANUAL

(UD-303/403/413/433/523/533)

KENWOOD

© 1995-8 PRINTED IN KOREA
B51-5091-00 (K) 4180

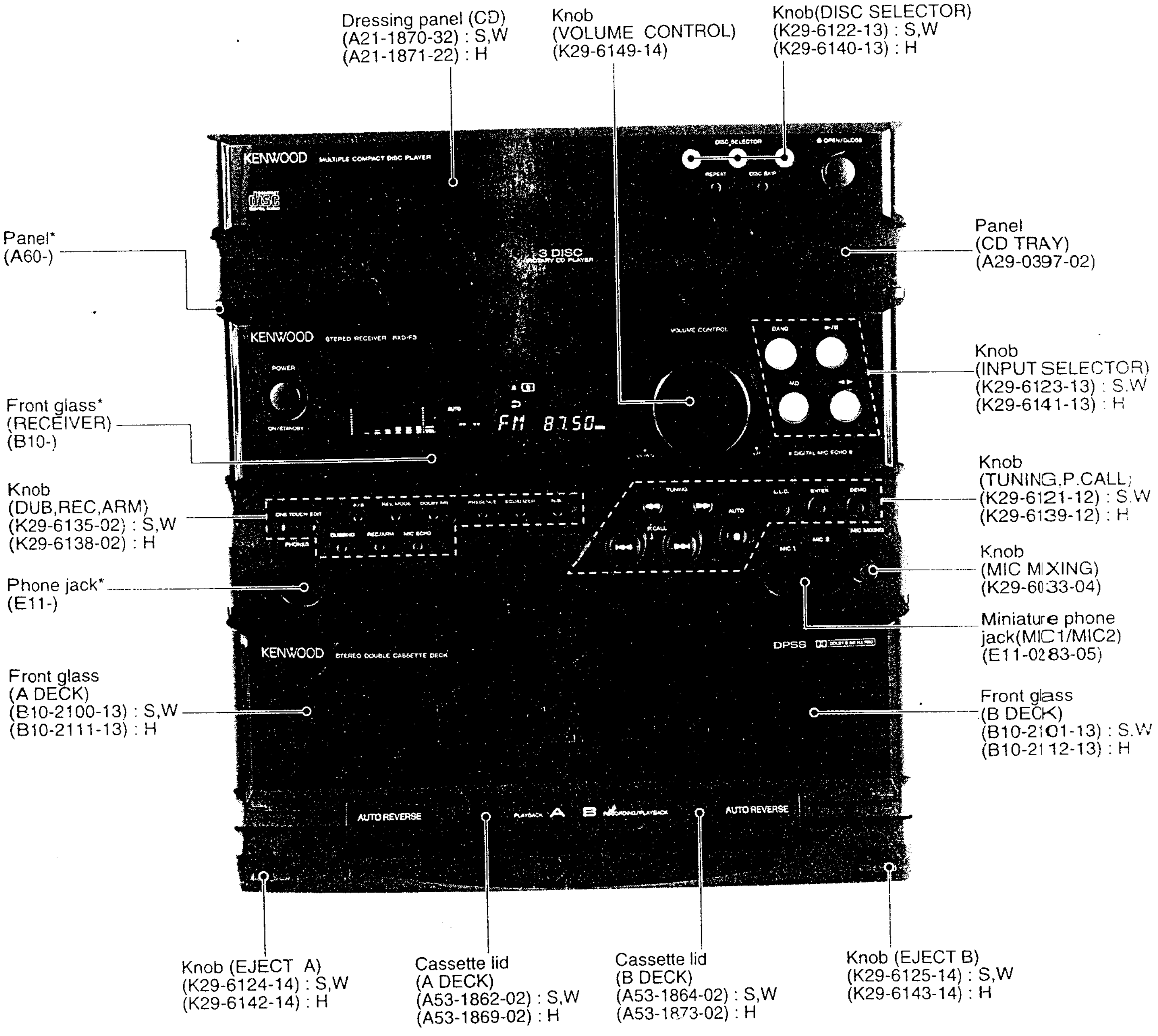
Dressing panel (CD)
(A21-1870-32) : S,W
(A21-1871-22) : H
Knob
(VOLUME CONTROL)
(K29-6149-14)
Knob(DISC SELECTOR)
(K29-6122-13) : S,W
(K29-6140-13) : H
Panel*
(A60-)
Panel
(CD TRAY)
(A29-0397-02)
Knob
(INPUT SELECTOR)
(K29-6123-13) : S,W
(K29-6141-13) : H
Front glass*
(RECEIVER)
(B10-)
Knob
(TUNING,P.CALL)
(K29-6121-12) : S,W
(K29-6139-12) : H
Knob
(DUB,REC,ARM)
(K29-6135-02) : S,W
(K29-6138-02) : H
Knob
(MIC MIXING)
(K29-6033-04)
Phone jack*
(E11-)
Miniature phone
jack(MIC1/MIC2)
(E11-0283-05)
Front glass
(A DECK)
(B10-2100-13) : S,W
(B10-2111-13) : H
Front glass
(B DECK)
(B10-2101-13) : S,W
(B10-2112-13) : H
Knob (EJECT A)
(K29-6124-14) : S,W
(K29-6142-14) : H
Cassette lid
(A DECK)
(A53-1862-02) : S,W
(A53-1869-02) : H
Cassette lid
(B DECK)
(A53-1864-02) : S,W
(A53-1873-02) : H
Knob (EJECT B)
(K29-6125-14) : S,W
(K29-6143-14) : H
KENWOOD
KENWOOD
KENWOOD
3 DISC
FM 87.50
DPSS
AUTO REVERSE
A
B
AUTO REVERSE

Photo is RXD-F3 M type. (It's like RXD-F41)
S:SINGAPORE made
W:MALAYSIA made
H:HUIZHOU made

***Refer to parts list on page 79.**

In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

PRECAUTIONS FOR REPAIR

- For the operation of the CD and the cassette (A or B deck) mechanism,see Service Manual(B51-4869-00) of RXD-C3/C3L.

KENWOOD-Corp. certifies this equipment conforms to DHHS Regulations No. 21 CFR 1040. 10, Chapter 1, Subchapter J.

DANGER : Laser radiation when open and interlock defeated.
AVOID DIRECT EXPOSURE TO BEAM.

8

RXD-F3/F4/F41/F42

SPECIFICATIONS

Amplifier section

Rated power output

54 watts per channel minimum RMS. both channels driven, at 6Ω, 1 kHz with no more than 10 % total harmonic distortion.

Input sensitivity / Impedance	
AUX	200mV/47kΩ
MIC	2.4mV/2.2kΩ
Signal to noise ratio	
AUX	86dB(IHF'66)

FM tuner section

Tuning frequency range	87.5MHz ~ 108MHz
Sensitivity (IHF)	13.2dBf(1.2μV at 75Ω)

AM Tuner section

Tuning frequency range	
9kHz step	531kHz ~ 1,602kHz
10kHz step	530kHz ~ 1,610kHz
Usable sensitivity	12μV/(500μV/m)

Cassette deck section

Track		4-track, 2-channel stereo
Recording system		AC bias system (Frequency: 105 khz)
Heads		
A deck	Playback head	1
B deck	Playback /recording head	1
	Erasing head	1
Motors		1
Fast winding time		Approx. 120 seconds (C-60 tape)

Note:
Component and circuity are subject to modification to insure best operation under differing local conditions. This manual is based on the U.S.A. (K) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

CD player section

Laser	Semiconductor laser
Playing rotation	200 rpm ~ 500 rpm (CLV)
Wow & Flutter	Unmeasurable Limit

General

Power consumption	150 W
Dimensions	W : 270mm H : 305mm D : 341mm
Weight (net)	8kg

KENWOOD CORPORATION
14-6,Dogenzaka 1-chome, Shibuya-ku, Tokyo, 150 Japan
KENWOOD SERVICE CORPORATION
P.O BOX 22745, 2201 East Dominguez St., Long Beach, CA 90801-5745, U.S.A.
KENWOOD ELECTRONICS CANADA INC.
6070 Kestrel Road, Mississauga, Ontario, Canada L5T 1S8
KENWOOD ELECTRONICS LATIN AMERICA S.A.
P.O BOX 55-2791, Piso 6 plaza Chase, Cl. 47 y Aquilino de la Guardia Panama, Republic de Panama
TRIO-KENWOOD U.K. LIMITED
KENWOOD House, Dwight Road, Watford, Herts., WD1 8EB., United Kingdom
KENWOOD ELECTRONICS BENELUX N.V.
Meachelsesteenweg 418, B-1930 Zaventem, Belgium
KENWOOD ELECTRONICS DEUTSCHLAND GMBH
Rembrücker Str. 15, 63150 Heusenstamm, Germany
TRIO-KENWOOD FRANCE S.A.
13 Boulevard Ney, 75018 Paris, France
KENWOOD ELECTRONICS ITALIA S.p.A.
Via G. Sirtori, 7/9 20129, Milano, Italy
KENWOOD IBERICA S.A.
Bolivia, 239-08020 Barcelona, Spain
KENWOOD ELECTRONICS AUSTRALIA PTY. LTD. (A.C.N. 001 499 074)
P.O Box 504, 8 Figtree Drive, Australia Centre, Homebush, N.S.W. 2140, Australia
KENWOOD & LEE ELECTRONICS, LTD.
Unit 3712-3724, Level 37, Tower 1, Metroplaza, 223 Hing Fong Road, Kwai Fong N.T., Hong Kong
KENWOOD ELECTRONICS SINGAPORE PTE LTD.
No. 1 Genting Lane # 07-00, KENWOOD Building, Singapore, 1334
KENWOOD ELECTRONICS (MALAYSIA) SDN BHD
10th Floor, Block B, Wisma Semantan, No. 12 Janlan Gelenggang, Bukit Damansara, 50490
Kuala Lumpur, Malaysia

RXD-F3/F4/F41/F42

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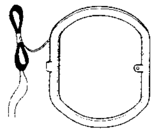
SPECIFICATIONS ....Back cover

IC description, refer to circuit description of the service manual.

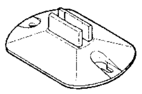
PCB No.	Ref. No.	IC Parts No.	Function	Service manual	On page
X09	IC302	**LC7218**	PLL, IF COUNT	**T-7J**	P15
X28	IC4	**UPC1297CA**	HX-PRO	**KX-1100EX**	P12
X32	IC1	**CXA1782BQ**	RF/SERVO	**DP-ME9**	P9

Accessories

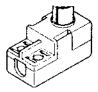
AM loop antenna ....(1)
(T90-0195-05)



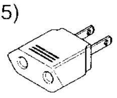
Loop antenna stand (1)
(J19-3645-05)



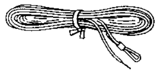
Antenna Adaptor....(1)
(For U.K. and Europe)
(T90-0198-05)or
(T90-0801-05)



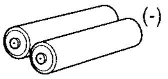
AC plug adaptor....(1)
(Except for the U.S.A., Canada, Mexico, Europe, U.K. and Australia)
(E03-0115-05)



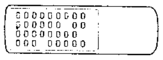
FM indoor antenna ....(1)
(T90-0182-15)



Batteries (R6/AA)....(2)



Remote control unit ....(1)
(A70-1020-05) : RC-F3 (RXD-F3/F41/F42)
(A70-1018-05) : RC-F4 (RXD-F4)

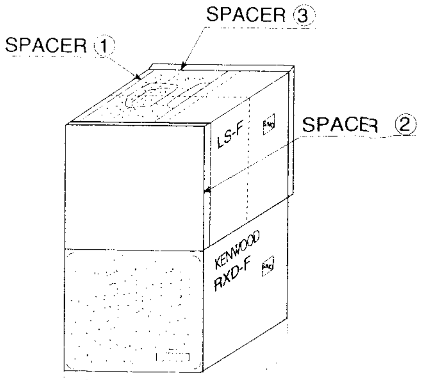


(BATTERY COVER : A09-0170-08)

For the unit with a European AC plug in areas other than Europe.
Refer to **LS-F41** of service manual (B51-5063-00) about them.

System configuration

SYSTEM NAME	MAIN UNIT	SPEAKERS	OVER CARTON		SPACER	
UD-303	RXD-F3/L	LS-F3	(K) H60-0320-04	(P,R) H60-0319-04	(K) ① H12-2247-04 ② H12-2248-04	(P,R) ① H12-2241-04 ② H12-2243-04
(K,P,R,M,Y,X) UD-403	RXD-F4	LS-F3 (K)addition CRS-03	(K) H60-0338-04	(P,R,M,Y,X) H60-0337-04	(K) ① H12-2246-04 ③ H12-2248-04	(P,R) ① H12-2241-04 ② H12-2243-04
(E,T,G) UD-403	RXD-F4/L	LS-F4				
UD-413	RXD-F41	LS-F41	(K) H60-0341-04	(P,R) H60-0340-04	(K,P,R) ① H12-2257-04 ② H12-2256-04	
UD-433	RXD-F3	LS-F3	(M,Y,X) H60-0346-04		(M,Y,X) ① H12-2241-04 ② H12-2243-04	
UD-523	RXD-F42	LS-F4	(M) H60-0318-04		① H12-2244-04	
UD-533	RXD-F4	LS-F4	(M,Y,X) H60-0345-04		① H12-2244-04	



CRS-03

EXTERNAL VIEW / CAUTION

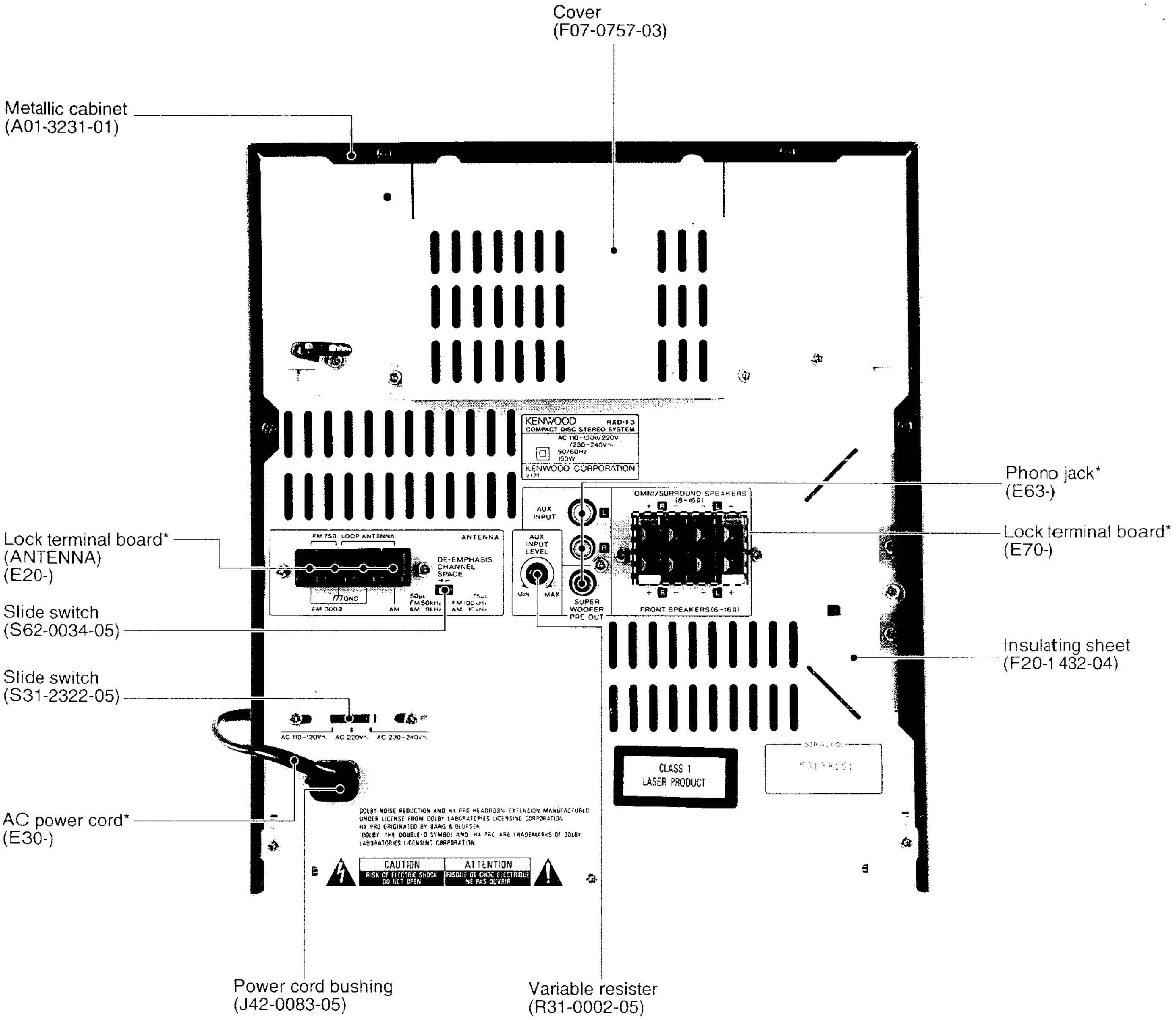

Cover
(F07-0757-03)
Metallic cabinet
(A01-3231-01)
Phono jack*
(E63-)
Lock terminal board*
(ANTENNA)
(E20-)
Lock terminal board*
(E70-)
Slide switch
(S62-0034-05)
Insulating sheet
(F20-1432-04)
Slide switch
(S31-2322-05)
AC power cord*
(E30-)
Power cord bushing
(J42-0083-05)
Variable resister
(R31-0002-05)
KENWOOD RXD-F3
COMPACT DISC STEREO SYSTEM
KENWOOD CORPORATION
AUX INPUT
AUX INPUT LEVEL
MIN MAX
SUPER WOOFER PRE OUT
OMNI/SURROUND SPEAKERS
FRONT SPEAKERS
FM 75Ω LOOP ANTENNA
ANTENNA
DE-EMPHASIS CHANNEL SPACE
GND
FM 300Ω
AM
AC 110-120V~ AC 220V~ AC 230-240V~
CLASS 1 LASER PRODUCT
CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN
ATTENTION RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR

Photo is RXD-F3 M type(It's like RXD-F41)

***Refer to parts list on page 79.**

Caution

Beware of condensation

When water vapor comes into contact with the surface of cold material, water drops are produced. If condensation occurs, correct operation may not be possible, or the unit may not function correctly. This is not a malfunction, however, and the unit should be dried. (To do this, turn the POWER switch ON and leave the unit for several hours.)

Be especially careful in the following conditions:

- When the unit is brought from a cold place to a warm place, and there is a large temperature difference.
- When a heater starts operating.
- When the unit is brought from an air-conditioned place to a place of high temperature with high humidity.
- When there is a large difference between the internal temperature of the unit and the ambient temperature, or in conditions where condensation occurs easily.

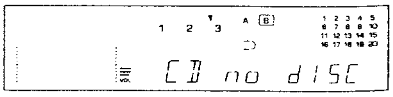
Note related to transportation and movement (CD player)

Before transporting or moving this unit, carry out the following operations.

1. Turn the power ON but do not load a disc.

●Press the **CD(▶/II)** key to check that no disc is present on the tray.

2. Wait a few seconds and verify that the display shown appears.

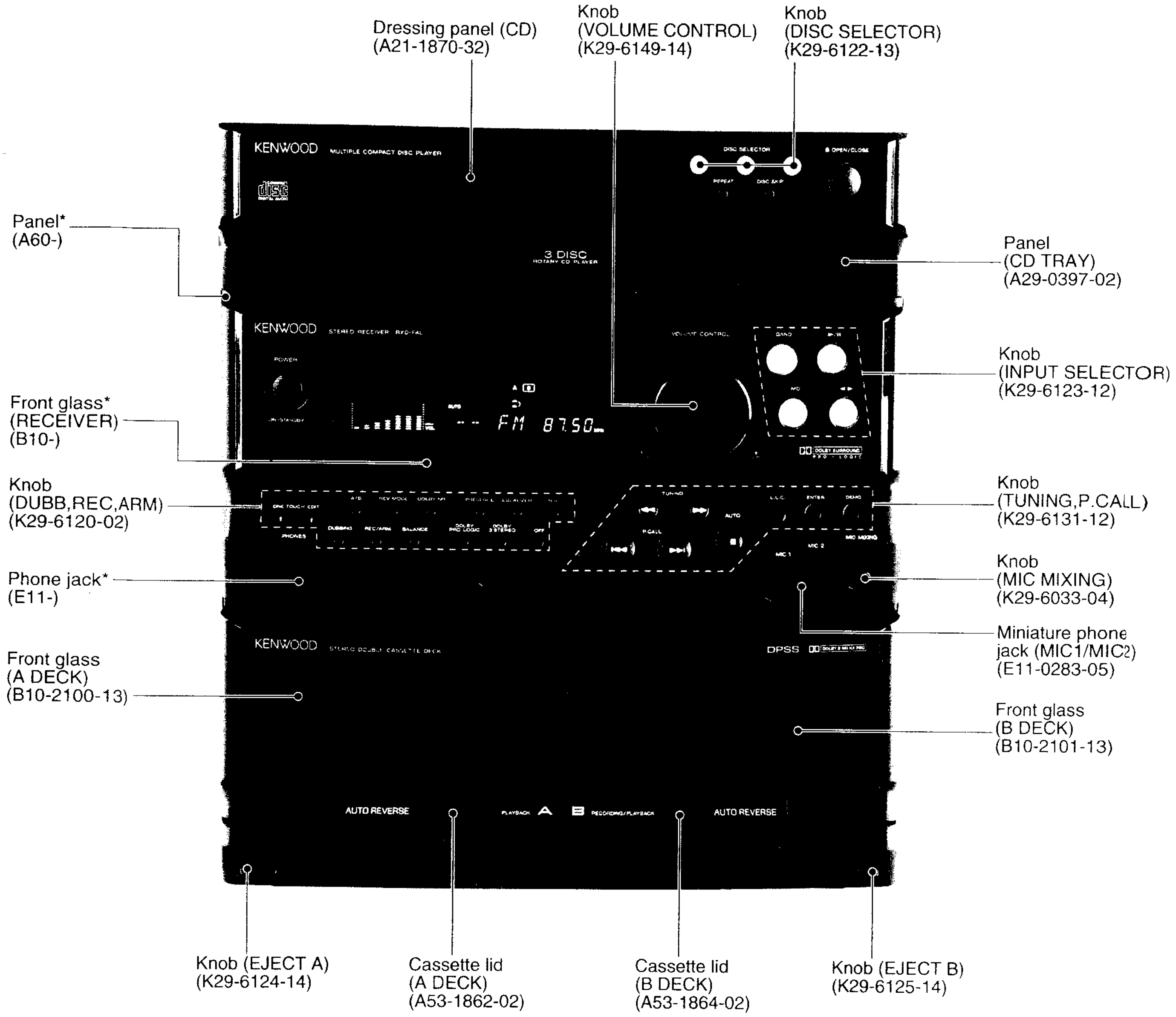


3. Turn the power OFF.

RXD-F3/F4/F41/F42

EXTERNAL VIEW / INSTRUCTION MANUAL

Photo is RXD-F4L (It's like RXD-F42)


Dressing panel (CD)
(A21-1870-32)
Knob
(VOLUME CONTROL)
(K29-6149-14)
Knob
(DISC SELECTOR)
(K29-6122-13)
Panel*
(A60-)
Panel
(CD TRAY)
(A29-0397-02)
Knob
(INPUT SELECTOR)
(K29-6123-12)
Front glass*
(RECEIVER)
(B10-)
Knob
(DUBB,REC,ARM)
(K29-6120-02)
Knob
(TUNING,P.CALL)
(K29-6131-12)
Phone jack*
(E11-)
Knob
(MIC MIXING)
(K29-6033-04)
Miniature phone
jack (MIC1/MIC2)
(E11-0283-05)
Front glass
(A DECK)
(B10-2100-13)
Front glass
(B DECK)
(B10-2101-13)
Knob (EJECT A)
(K29-6124-14)
Cassette lid
(A DECK)
(A53-1862-02)
Cassette lid
(B DECK)
(A53-1864-02)
Knob (EJECT B)
(K29-6125-14)
KENWOOD
KENWOOD
KENWOOD
3 DISC
FM 87.50
DPSS
AUTO REVERSE
AUTO REVERSE

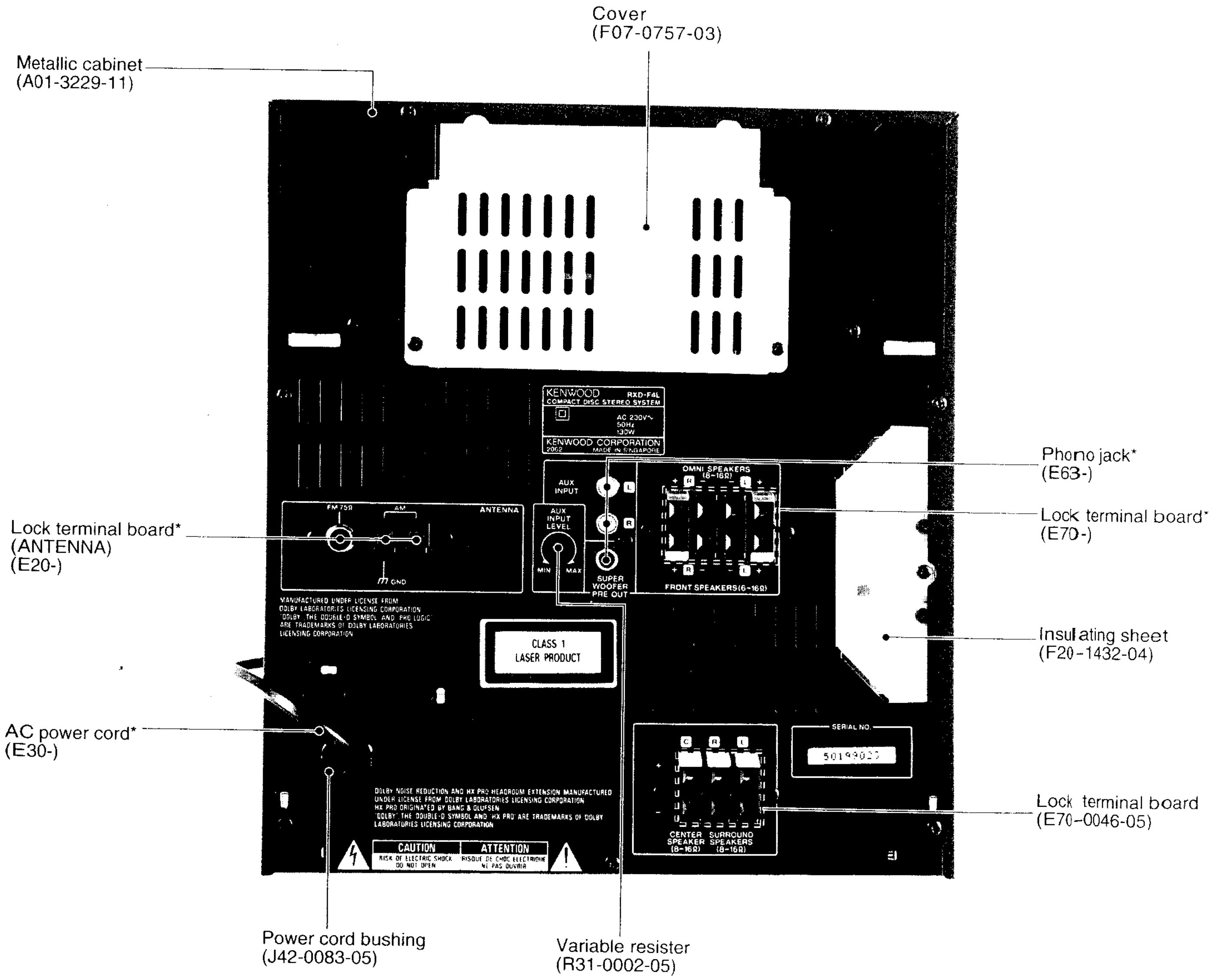
Instruction Manual

Language	System	Parts No.	Destination
ENGLISH	UD-303	B60-2170-00	T
	UD-303	B60-2171-00	KRP
	UD-433	B60-2255-00	MXI
	UD-403	B60-2145-00	KT
	UD-533	B60-2251-00	YMX
	UD-403	B60-2334-00	KRP
	UD-413	B60-2179-00	KRP
	UD-523	B60-2144-00	MI
FRENCH	UD-303	B60-2172-00	PE
	UD-403	B60-2146-00	E
	UD-403	B60-2335-00	P
	UD-413	B60-2180-00	P
GERMANY	UD-303	B60-2173-00	EG
	UD-403	B60-2147-00	EG

Language	System	Parts No.	Destination
DUTCH	UD-303	B60-2174-00	E
	UD-403	B60-2148-00	E
ITALYAN	UD-303	B60-2175-00	E
	UD-403	B60-2149-00	E
SPANISH	UD-303	B60-2176-00	RE
	UD-433	B60-2256-00	M
	UD-403	B60-2151-00	E
	UD-533	B60-2252-00	M
	UD-403	B60-2336-00	R
	UD-413	B60-2181-00	R
CHINESES	UD-433	B60-2177-10	MI
	UD-523	B60-2152-10	MI
TIWANESE	UD-433	B60-2178-10	M
	UD-523	B60-2153-10	M

EXTERNAL VIEW

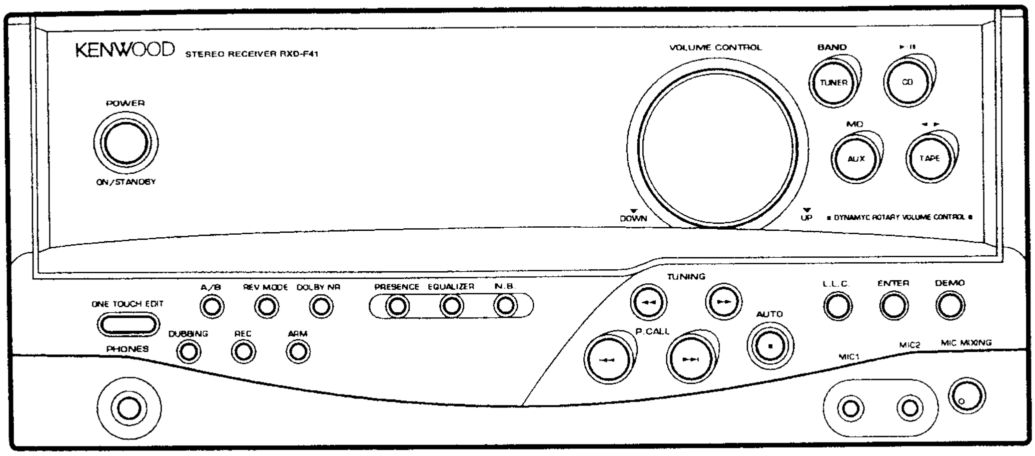
Photo is RXD-F4L (It's like RXD-F42 Except ANTENNA terminal)


Cover
(F07-0757-03)
Metallic cabinet
(A01-3229-11)
Phono jack*
(E63-)
Lock terminal board*
(E70-)
Lock terminal board*
(ANTENNA)
(E20-)
Insulating sheet
(F20-1432-04)
AC power cord*
(E30-)
Lock terminal board
(E70-0046-05)
Power cord bushing
(J42-0083-05)
Variable resister
(R31-0002-05)
KENWOOD RXD-F4L
COMPACT DISC STEREO SYSTEM
KENWOOD CORPORATION
MADE IN SINGAPORE
AUX INPUT
AUX INPUT LEVEL
MIN
MAX
SUPER WOOFER PRE OUT
OMNI SPEAKERS
FRONT SPEAKERS(6-16Ω)
FM 75Ω
AM
ANTENNA
GND
CLASS 1
LASER PRODUCT
SERIAL NO.
CENTER SPEAKER
SURROUND SPEAKERS
CAUTION
ATTENTION

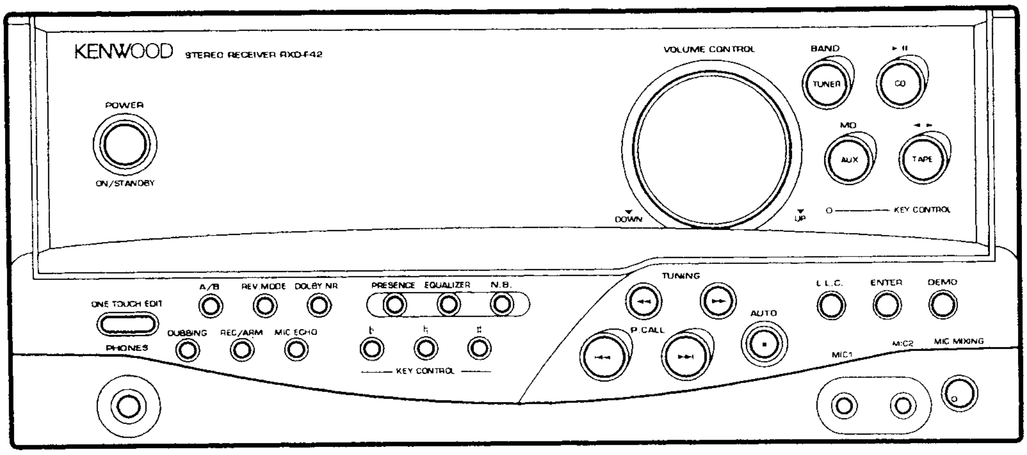
EXTERNAL VIEW / REMOTE CONTROL

Front panel difference point

[RXD-F41]

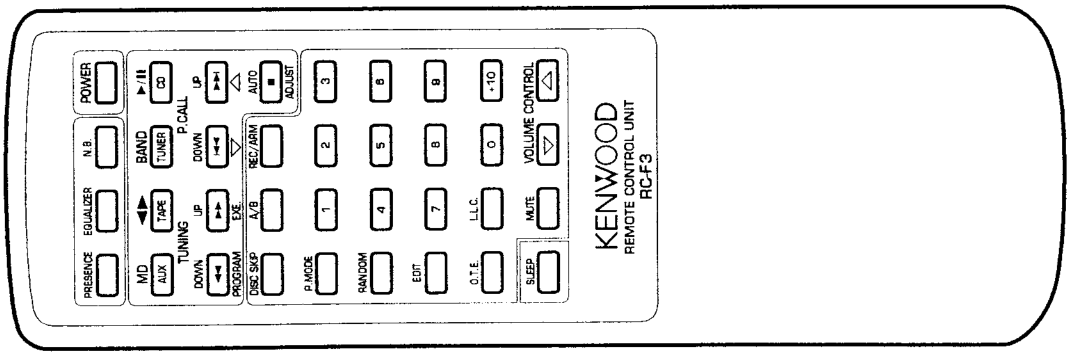

KENWOOD
STEREO RECEIVER RXD-F41
POWER
ON/STANDBY
VOLUME CONTROL
DOWN
UP
BAND
TUNER
CD
MD
AUX
TAPE
■ DYNAMYC ROTARY VOLUME CONTROL ■
ONE TOUCH EDIT
PHONES
A/B
REV MODE
DOLBY NR
PRESENCE
EQUALIZER
N.B.
DUBBING
REC
ARM
TUNING
P.CALL
AUTO
L.L.C.
ENTER
DEMO
MIC1
MIC2
MIC MIXING

[RXD-F42]

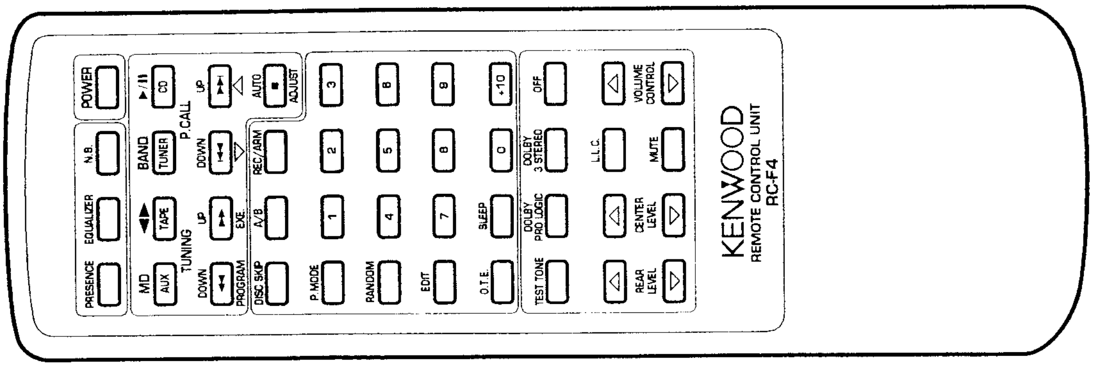

KENWOOD
STEREO RECEIVER RXD-F42
POWER
ON/STANDBY
VOLUME CONTROL
DOWN
UP
BAND
TUNER
CD
MD
AUX
TAPE
KEY CONTROL
ONE TOUCH EDIT
PHONES
A/B
REV MODE
DOLBY NR
PRESENCE
EQUALIZER
N.B.
DUBBING
REC/ARM
MIC ECHO
KEY CONTROL
TUNING
P.CALL
AUTO
L.L.C.
ENTER
DEMO
MIC1
MIC2
MIC MIXING

Remote control unit

[RXD-F3/F3L/F41/F42]


POWER
N.B.
EQUALIZER
PRESENCE
CD
BAND
TUNER
TAPE
MD
AUX
P.CALL
UP
DOWN
TUNING
AUTO
EXE.
PROGRAM
ADJUST
REC/ARM
A/B
DISC SKIP
P.MODE
RANDOM
EDIT
O.T.E.
L.L.C.
+10
VOLUME CONTROL
MUTE
SLEEP
KENWOOD
REMOTE CONTROL UNIT
RC-F3

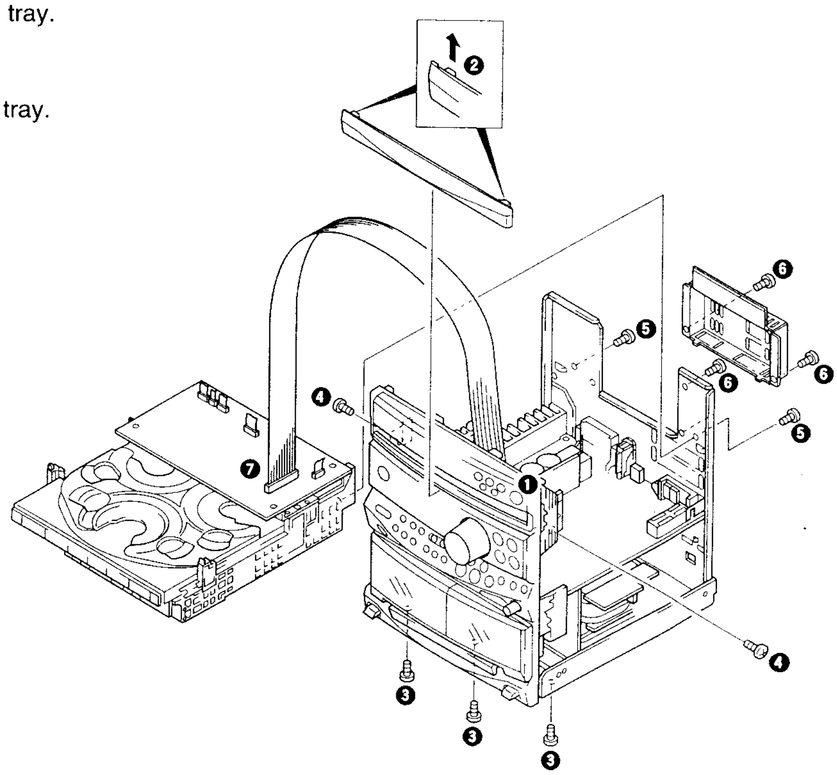
[RXD-F4]


POWER
N.B.
EQUALIZER
PRESENCE
CD
BAND
TUNER
TAPE
MD
AUX
P.CALL
UP
DOWN
TUNING
AUTO
EXE.
PROGRAM
ADJUST
REC/ARM
A/B
DISC SKIP
P.MODE
RANDOM
EDIT
O.T.E.
SLEEP
+10
OFF
DOLBY 3 STEREO
DOLBY PRO LOGIC
TEST TONE
L.L.C.
VOLUME CONTROL
MUTE
CENTER LEVEL
REAR LEVEL
KENWOOD
REMOTE CONTROL UNIT
RC-F4

DISASSEMBLY FOR REPAIR

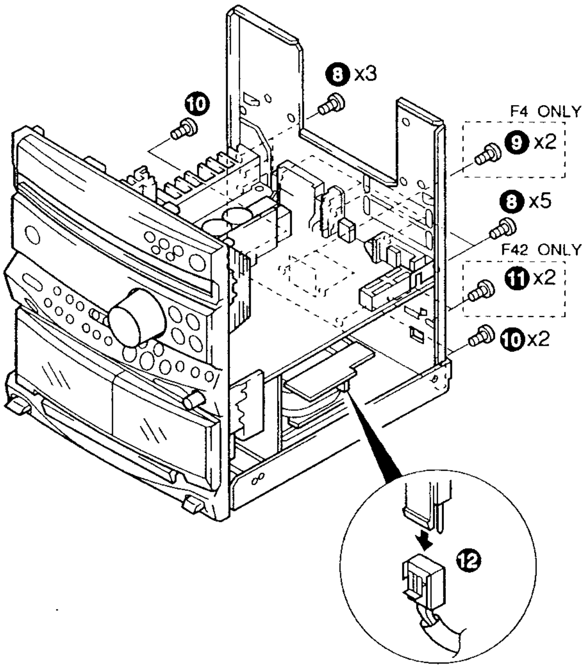
[Remove the CD player]

1. Push the OPEN/CLOSE key(❶), then open the CD tray.
2. Lift the left and right sides(❷) of the CD player front cover upward and remove it.
3. Push the OPEN/CLOSE key(❶) then close the CD tray.
4. Remove the 3 screws(❸) of the bottom.
5. Remove the 9 screws(❹ ~ ❻), then remove the CD mechanism(❼).

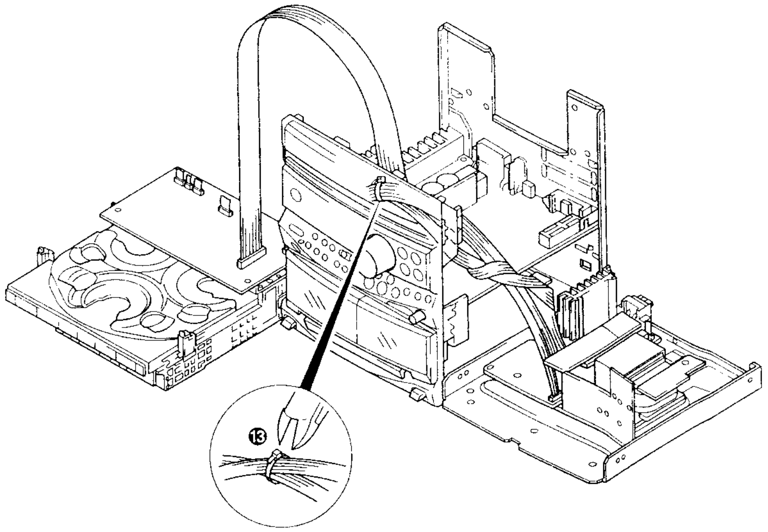

❷
❻
❺
❻
❻
❹
❺
❼
❶
❹
❸
❸
❸

[Remove the chassis]

1. Remove the 15 screws(❽~⓫) and the connector (X09, CN7) (⓬) of RXD-F42


❿
❽x3
F4 ONLY
❾x2
❽x5
F42 ONLY
⓫x2
❿x2
⓬

2. Cut the lead wire(⓭), then remove the chassis.



DISASSEMBLY FOR REPAIR

[CD mechanism section]

1) How to detach the tray

1. From the rear side of the CD mechanism, use a screw driver or the like to turn the friction arm (❶) fully counterclockwise.
2. Remove the two bracket attachment screws(❷).
3. Remove the tray in the arrow direction(❹).

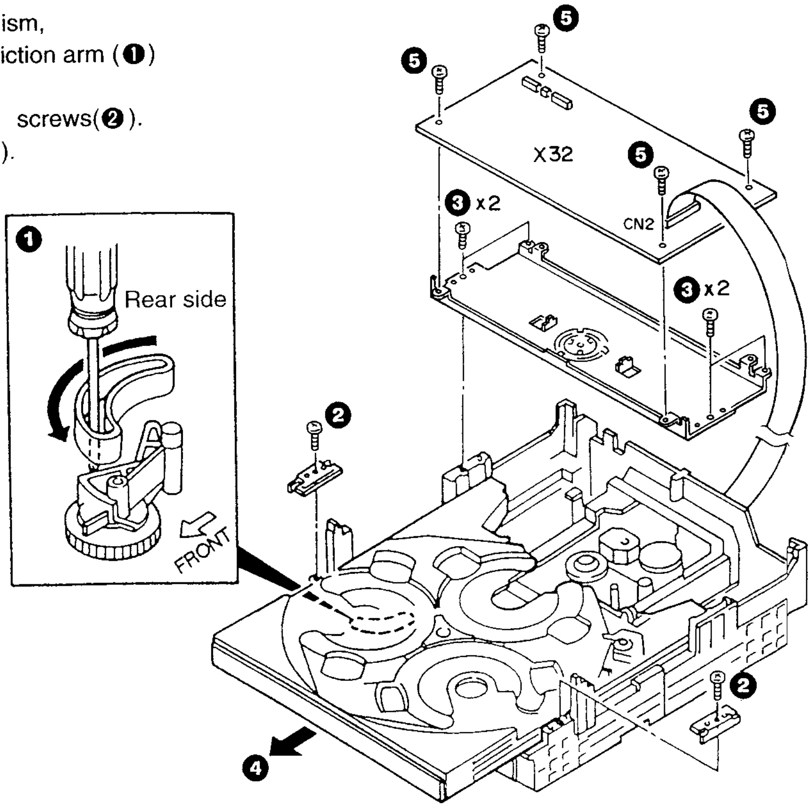


FIG. 1

2) How to attach the tray

1. Check to make sure the rollers on each side (two rollers) have not come off. Move the friction gear by hand in the direction of arrow(❶), align the groove on the rear side of the slide tray with the friction gear shaft and insert the slide tray.
2. Align the grooves on both sides of the slide tray with the main chassis' guides(❷) and insert the slide tray as far back as it will go.
3. Attach the brackets on both sides(two brackets).

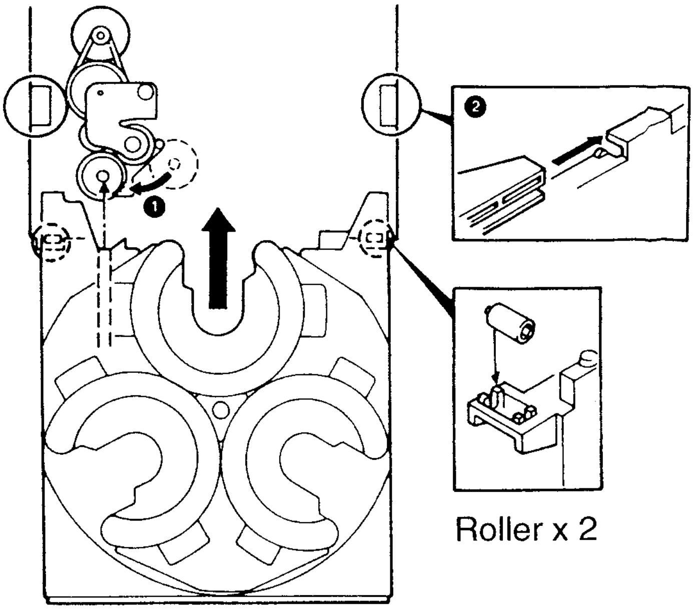


FIG. 2

DISASSEMBLY FOR REPAIR

3) Replacing the pickup

1. Remove the two clamp bracket attachment screws.(Fig.1 ❸).
2. Remove the four screws affixing the lift slider and lift out the lift slider and traverse unit.

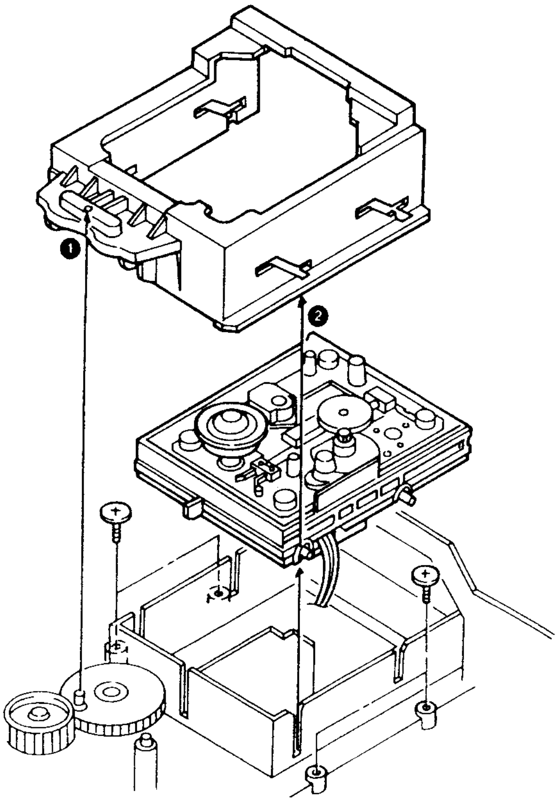


FIG. 3

3. Short the short land.
4. Remove the connector of the flat cable.
5. Remove the gear.
6. Remove the shaft.

※ When reassembling, always be sure to align the cam gear and traverse shaft as shown in ❶ and ❷ of Fig ❸. Then remove a tool of the short land.

Note : Don't separate pickup PC board from pickup.

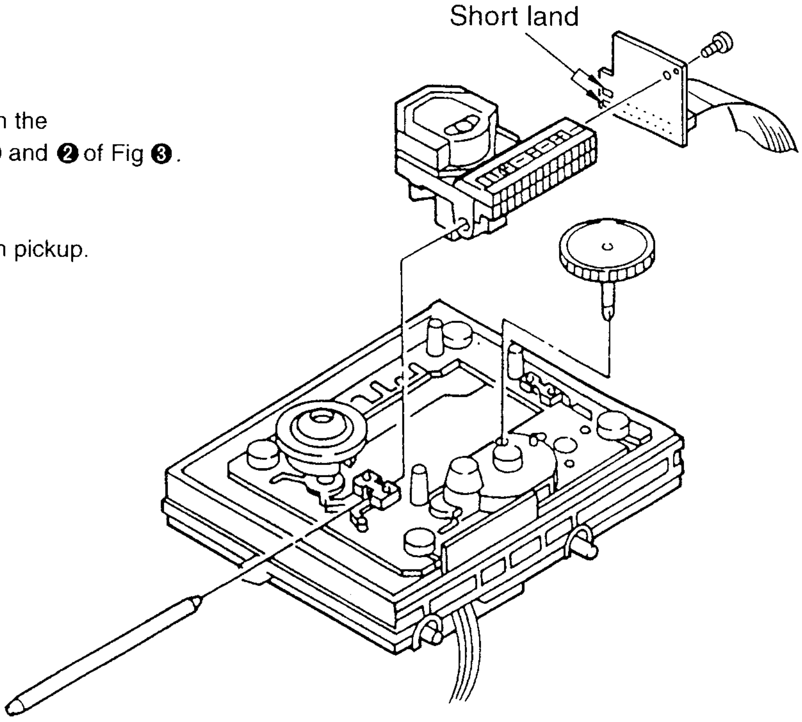


FIG. 4

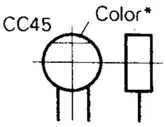
RXD-F3/F4/F41/F42

PARTS DESCRIPTION

CAPACITORS

CC 45 TH 1H 220 J
1 2 3 4 5 6

1 = Type ... ceramic, electrolytic, etc.
2 = Shape ... round, square, ect.
3 = Temp. coefficient
4 = Voltage rating
5 = Value
6 = Tolerance



• Capacitor value

010 = 1pF
100 = 10pF
101 = 100pF
102 = 1000pF = 0.001µF
103 = 0.01µF

2 2 0 = 22pF
Multiplier
2nd number
1st number

• Temperature coefficient

1st Word	C	L	P	R	S	T	U
Color*	Black	Red	Orange	Yellow	Green	Blue	Violet
ppm/°C	0	-80	-150	-220	-330	-470	-750

2nd Word	G	H	J	K	L
ppm/°C	±30	±60	±120	±250	±500

Example : CC45TH = -470 ± 60ppm/°C

• Tolerance (More than 10pF)

Code	C	D	G	J	K	M	X	Z	P	No code
(%)	±0.25	±0.5	±2	±5	±10	±20	+40 -20	+80 -20	+100 -0	More than 10µF - 10 ~ +50 Less than 4.7µF -10 ~ +75

(Less than 10pF)

Code	B	C	D	F	G
(pF)	±0.1	±0.25	±0.5	±1	±2

• Voltage rating

2nd word 1st word	A	B	C	D	E	F	G	H	J	K	V
0	1.0	1.25	1.6	2.0	2.5	3.15	4.0	5.0	6.3	8.0	-
1	10	12.5	16	20	25	31.5	40	50	63	80	35
2	100	125	160	200	250	315	400	500	630	800	-
3	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000	-

• Chip capacitors

(EX) C C 7 3 F S L 1 H 0 0 0 J
☐ ☐ ☐ ☐ ☐ ☐ ☐
1 2 3 4 5 6 7
(Chip) (CH, RH, UJ, SL)

(EX) C K 7 3 F F 1 H 0 0 0 Z
☐ ☐ ☐ ☐ ☐ ☐ ☐
1 2 3 4 5 6 7
(Chip) (B, F)

☐ Refer to the table above.

1 = Type
2 = Shape
3 = Dimension
4 = Temp. coefficient
5 = Voltage rating
6 = Value
7 = Tolerance

Dimension (Chip capacitors)

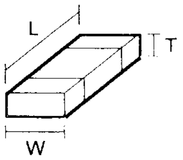
Dimension code	L	W	T
Empty	5.6 ± 0.5	5.0 ± 0.5	Less than 2.0
A	4.5 ± 0.5	3.2 ± 0.4	Less than 2.0
B	4.5 ± 0.5	2.0 ± 0.3	Less than 2.0
C	4.5 ± 0.5	1.25 ± 0.2	Less than 1.25
D	3.2 ± 0.4	2.5 ± 0.3	Less than 1.5
E	3.2 ± 0.2	1.6 ± 0.2	Less than 1.25
F	2.0 ± 0.3	1.25 ± 0.2	Less than 1.25
G	1.6 ± 0.2	0.8 ± 0.2	Less than 1.0

RESISTORS

• Chip resistor (Carbon)

(EX) R K 7 3 E B 2 B 0 0 0 J
☐ ☐ ☐ ☐ ☐ ☐ ☐
1 2 3 4 5 6 7
(Chip) (B,F)

Dimension



• Carbon resistor (Normal type)

(EX) R D 1 4 B B 2 C 0 0 0 J
☐ ☐ ☐ ☐ ☐ ☐ ☐
1 2 3 4 5 6 7

1 = Type
2 = Shape
3 = Dimension
4 = Temp. coefficient
5 = Rating wattage
6 = Value
7 = Tolerance

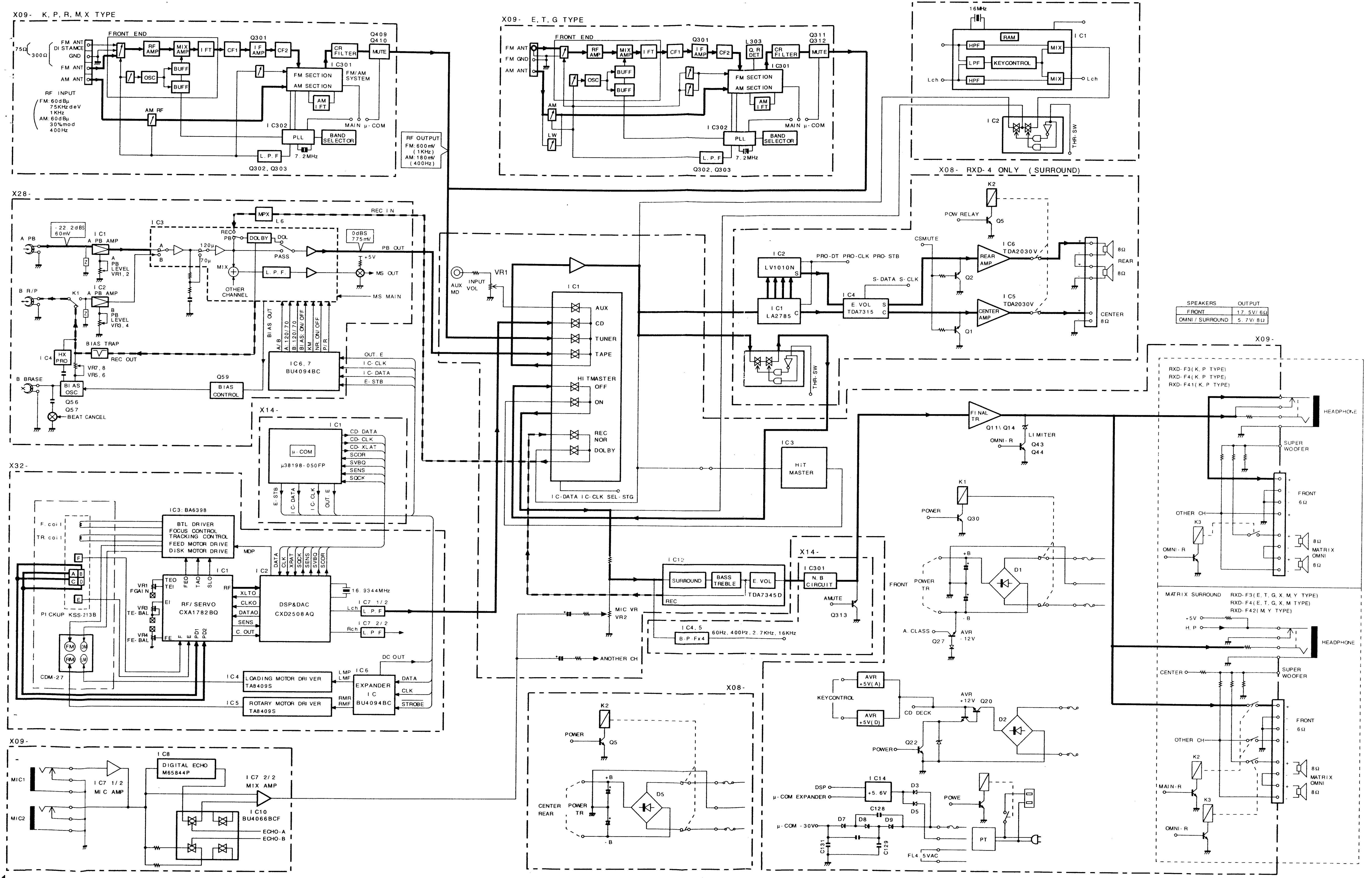
Dimension (Chip resistor)

Dimension code	L	W	T
E	3.2 ± 0.2	1.6 ± 0.2	1.0
F	2.0 ± 0.3	1.25 ± 0.2	1.0
G	1.6±0.2	0.8±0.2	0.5±0.

Rating wattage

Code	Wattage	Code	Wattage	Code	Wattage
1J	1/16W	2C	1/6W	3A	1W
2A	1/10W	2E	1/4W	3D	2W
2B	1/8W	2H	1/2W		

BLOCK DIAGRAM


X09- K, P, R, M, X TYPE
FRONT END
FM ANT
DISTANCE
GND
AM ANT
75Ω
300Ω
RF AMP
MIX AMP
IFT
CF1
IF AMP
CF2
CR FILTER
MUTE
OSC
BUFF
FM SECTION
AM SECTION
FM/AM SYSTEM
IC301
AM RF
IC302
PLL
BAND SELECTOR
L.P.F
7.2MHz
Q302, Q303
Q301
Q409 Q410
MAIN μ-COM
RF INPUT
FM: 60dBμ
75KHz deV
1KHz
AM: 60dBμ
30%mod
400Hz
RF OUTPUT
FM: 600mV (1KHz)
AM: 180mV (400Hz)
X09- E, T, G TYPE
FM GND
AM
LW
L303
Q.R DET
AM IFT
Q311 Q312
X11- RXD-42 ONLY
16MHz
HPF
LPF
RAM
KEY CONTROL
MIX
Lch
THR-SW
X08- RXD-4 ONLY (SURROUND)
K2
POW RELAY
Q5
CSMUTE
LV1010N
LA2785
PRO-DT PRO-CLK PRO-STB
S-DATA S-CLK
E VOL TDA7315
IC6 TDA2030V
REAR AMP
IC5 TDA2030V
CENTER AMP
Q1
Q2
REAR
CENTER
8Ω
X28-
A PB
IC1 A PB AMP
-22.2dBS 60mV
IC3
REC PB
DOLBY
DOL
PASS
120μ
70μ
MIX
OTHER CHANNEL
L.P.F
MPX
L6
REC IN
0dBS 775mV
PB OUT
+5V
MS OUT
MS MAIN
A PB LEVEL VR1, 2
B R/P
K1
IC2 A PB AMP
B PB LEVEL VR3, 4
BIAS TRAP
REC OUT
HX PRO
IC4
VR7, 8
VR5, 6
B ERASE
BIAS OSC
Q56 Q57
BEAT CANCEL
Q59 BIAS CONTROL
IC6, 7 BU4094BC
BIAS OUT
A/B
A 120/70
B 120/70
B IAS ON/OFF
XM
NR ON/OFF
P/R
OUT E
IC-CLK
IC-DATA
E-STB
X14-
μ-COM
μ38198-050FP
CD-DATA
CD-CLK
CD-XLAT
SCOR
SVBQ
SENS
SQCK
E-STB
IC-DATA
IC-CLK
OUT E
AUX MD
INPUT VOL
VR1
IC1
AUX
CD
TUNER
TAPE
HIT MASTER
OFF
ON
REC
NOR
DOLBY
IC-DATA IC-CLK SEL-STG
IC3 HIT MASTER
FINAL TR
Q11\Q14
LIMITER
OMNI-R
Q43 Q44
X32-
F. coil
TR. coil
IC3 BA6398
BTL DRIVER
FOCUS CONTROL
TRACKING CONTROL
FEED MOTOR DRIVE
DISK MOTOR DRIVE
MDP
PICKUP KSS-213B
VR1 FGAIN
VR3 TE-BAL
VR4 FE-BAL
TEO TEI FEO TAO SLO
RF/SERVO CXA1782BQ
XLTO
CLKO
DATAO
SENS
C.OUT
DSP&DAC CXD2508AQ
16.9344MHz
IC7 1/2 L.P.F
IC7 2/2 L.P.F
Lch
Rch
CDM-27
IC4 LOADING MOTOR DRIVER TA8409S
IC5 ROTARY MOTOR DRIVER TA8409S
IC6 EXPANDER IC BU4094BC
DC OUT
LMP LMF
RMR RMF
DATA
CLK
STROBE
MIC VR
VR2
ANOTHER CH
IC12
SURROUND
BASS TREBLE
E.VOL
TDA7345D
IC4, 5 B.P.F x4
60Hz, 400Hz, 2.7KHz, 16KHz
X14-
IC301 N.B CIRCUIT
AMUTE
Q313
X09-
MIC1
MIC2
IC7 1/2 MIC AMP
IC8 DIGITAL ECHO M65844P
IC7 2/2 MIX AMP
IC10 BU4066BCF
ECHO-A
ECHO-B
X08-
K2
POWER
Q5
CENTER REAR
POWER TR
D5
+B
-B
K1
POWER
Q30
FRONT
POWER TR
D1
A.CLASS
Q27
AVR -12V
AVR +5V(A)
AVR +5V(D)
KEY CONTROL
CD DECK
AVR +12V
Q20
D2
POWER
Q22
DSP
μ-COM EXPANDER
IC14
+5.6V
D3
D5
POWE
C128
D7 D8 D9
μ-COM -30V
C131
C129
FL4 5VAC
PT
X09-
RXD-F3(K, P TYPE)
RXD-F4(K, P TYPE)
RXD-F41(K, P TYPE)
HEADPHONE
SUPER WOOFER
FRONT 6Ω
OTHER CH
K3
OMNI-R
MATRIX OMNI 8Ω
MATRIX SURROUND
RXD-F3(E, T, G, X, M, Y TYPE)
RXD-F4(E, T, G, X, M TYPE)
RXD-F42(M, Y TYPE)
+5V
H.P
CENTER
MAIN-R

SPEAKERS	OUTPUT
FRONT	17.5V/6Ω
OMNI/SURROUND	5.7V/8Ω

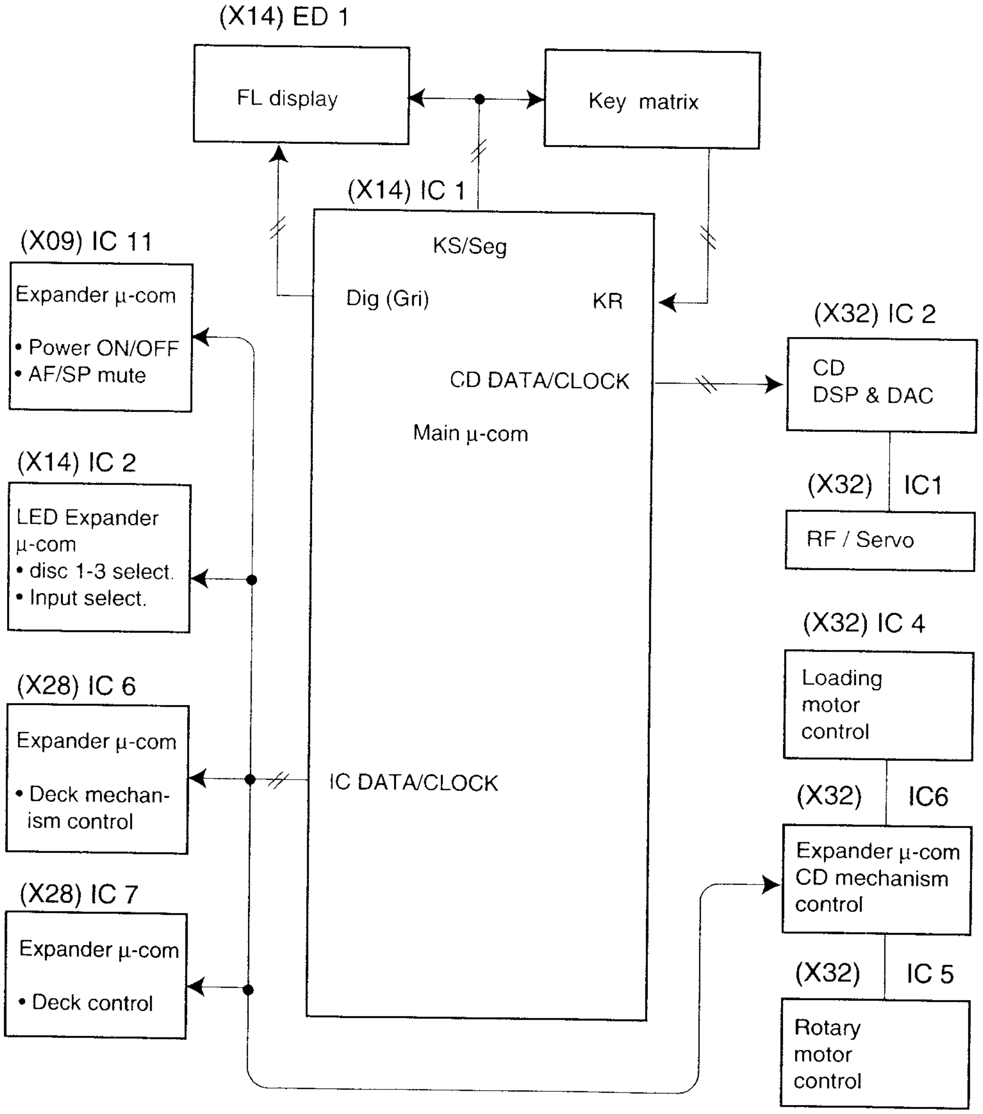
CIRCUIT DESCRIPTION

1. MAIN μ-COM (M38198MC-053FP) (X14 : IC 1) : CD,Display

1.1 Function

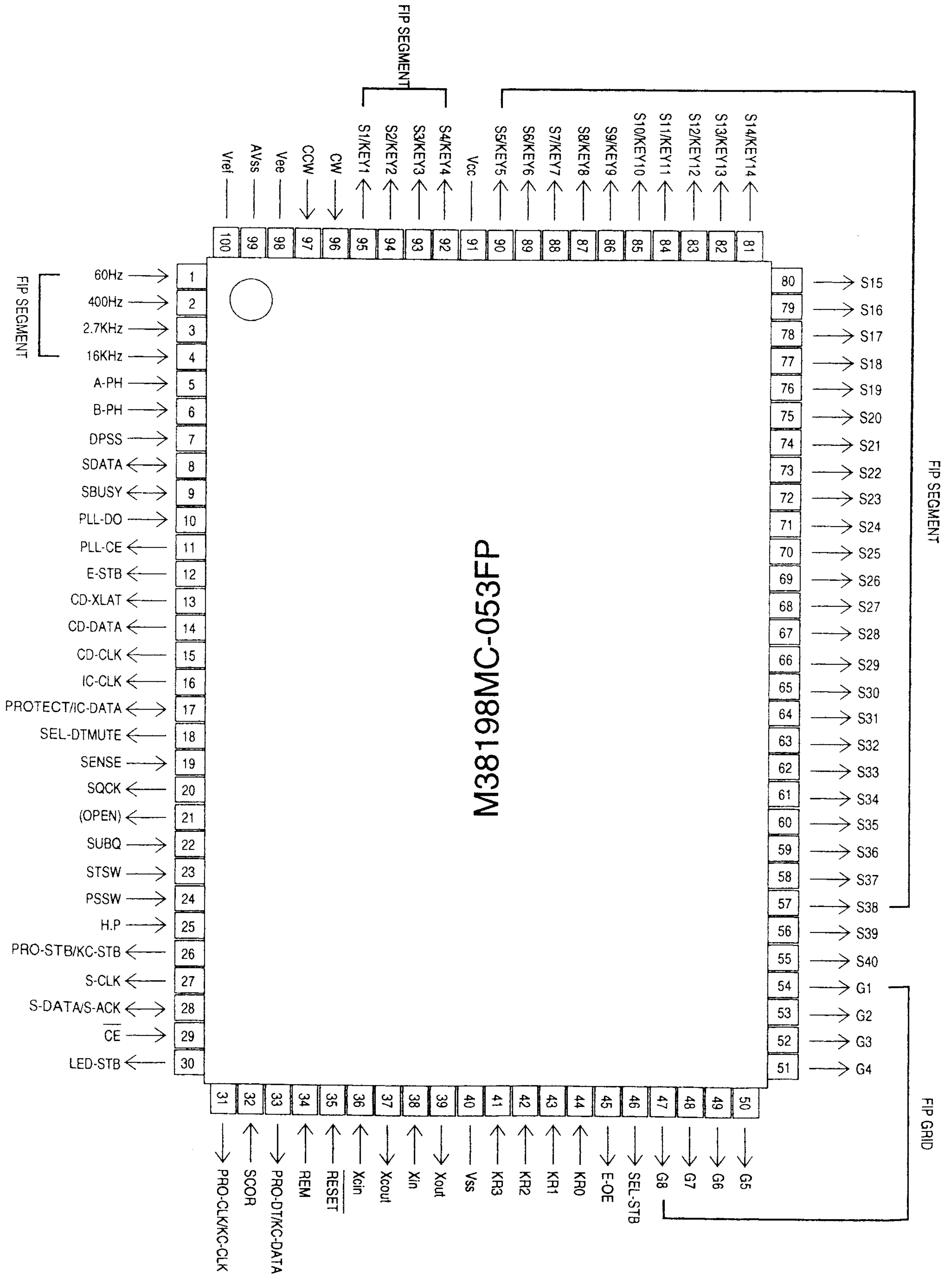
		RXD-F2			RXD-F3			RXD-F4	RXD-F41	RXD-F42
		K,P,R	X,T,E,G	M,Y	K,P,R	X,T,E,G	M	M,X,Y,T,E,G	K,P,R	M
CD Player		3 DISC								
Tuner	FM Stereo	○								
	LW		T only			T only		T only		
AMP	POWER	30W			50W					
	MATRIX Circuit/ Surround terminal			○		○				○
	A.S.P	○								
	MIC x 2, MIXING	○								
	Digital echo						○			○
	Digital key control									○
	DOLBY PROLOGIC							○		
	AC outlet								○	
DECK	W-DECK MECHA	FULL LOGIC ONE WAY			FULL LOGIC REVERSE					
	DOLBY NR	B			B,HX-PRO					
	Normal speed	○								
	B DECK recording	○								

1.2 Microproccesor periphery block diagram


(X14) ED 1
FL display
Key matrix
(X14) IC 1
KS/Seg
Dig (Gri)
KR
CD DATA/CLOCK
Main μ-com
IC DATA/CLOCK
(X09) IC 11
Expander μ-com
• Power ON/OFF
• AF/SP mute
(X14) IC 2
LED Expander μ-com
• disc 1-3 select.
• Input select.
(X28) IC 6
Expander μ-com
• Deck mechanism control
(X28) IC 7
Expander μ-com
• Deck control
(X32) IC 2
CD DSP & DAC
(X32) IC1
RF / Servo
(X32) IC 4
Loading motor control
(X32) IC6
Expander μ-com CD mechanism control
(X32) IC 5
Rotary motor control

CIRCUIT DESCRIPTION

1.3 Pin connection


M38198MC-053FP
FIP SEGMENT
FIP SEGMENT
FIP SEGMENT
FIP GRID
60Hz 1
400Hz 2
2.7KHz 3
16KHz 4
A-PH 5
B-PH 6
DPSS 7
SDATA 8
SBUSY 9
PLL-DO 10
PLL-CE 11
E-STB 12
CD-XLAT 13
CD-DATA 14
CD-CLK 15
IC-CLK 16
PROTECT/IC-DATA 17
SEL-DTMUTE 18
SENSE 19
SQCK 20
(OPEN) 21
SUBQ 22
STSW 23
PSSW 24
H.P 25
PRO-STB/KC-STB 26
S-CLK 27
S-DATA/S-ACK 28
$\overline{\text{CE}}$ 29
LED-STB 30
31 PRO-CLK/KC-CLK
32 SCOR
33 PRO-DT/KC-DATA
34 REM
35 $\overline{\text{RESET}}$
36 Xcin
37 Xcout
38 Xin
39 Xout
40 Vss
41 KR3
42 KR2
43 KR1
44 KR0
45 E-OE
46 SEL-STB
47 G8
48 G7
49 G6
50 G5
51 G4
52 G3
53 G2
54 G1
55 S40
56 S39
57 S38
58 S37
59 S36
60 S35
61 S34
62 S33
63 S32
64 S31
65 S30
66 S29
67 S28
68 S27
69 S26
70 S25
71 S24
72 S23
73 S22
74 S21
75 S20
76 S19
77 S18
78 S17
79 S16
80 S15
81 S14/KEY14
82 S13/KEY13
83 S12/KEY12
84 S11/KEY11
85 S10/KEY10
86 S9/KEY9
87 S8/KEY8
88 S7/KEY7
89 S6/KEY6
90 S5/KEY5
91 Vcc
92 S4/KEY4
93 S3/KEY3
94 S2/KEY2
95 S1/KEY1
96 CW
97 CCW
98 Vee
99 AVss
100 Vref

CIRCUIT DESCRIPTION

1.4 Pin description

PIN NO.	I/O	NAME	DESCRIPTION	REMARKS
1	I	60Hz	Speana input(A/D convertor input)	
2	I	400Hz		
3	I	2. 7kHz		
4	I	I6kHz		
5	I	A-PH	A photo sensor input	
6	I	B-PH	B photo sensor input	
7	I	DPSS	DPSS detection	
8	I/O	SDATA	Serial communication data	Refer Note 1
9	I/O	SBUSY	Serial communication busy	Refer Note 1
10	I	PLL-DO	PLL(LC7218)data input	
11	O	PLL-CE	PLL(LC7218)chip enable	
12	O	E-STB	Expander IC(BU4094BF) strobe	
13	O	CD-XLAT	CD latch output(CXA1782BQ,CXD2508Q)	
14	O	CD-DATA	CD IC DATA(CXA1782BQ · CXD2508Q)	
15	O	CD-CLK	CD IC CLK(CXA1782BQ · CXD2508Q)	
16	O	I C-CLK	IC-CLOCK(BU4094BF · NJU7313AM,NJU3718G · LC7218,LC83025E)	
17	I/O	PROTECT/IC-DATA	Protection input IC data(BU4094BF · NJU7313AM,NJU3718G,LC7218,LC83025E)	
18	O	SEL-DTMUTE	Selector IC data mute(NJU7313AM)	
19	I	SENSE	CD sense input(CXA1782BQ,CXD2508Q)	
20	O	SQCK	Sub cord clock(CXD2508Q)	
21	O	(OPEN)	Unused	
22	I	SUBQ	Sub code data(CX2508Q)	
23	I	STSW	CD mechanism stop SW	
24	I	PSSW	CD mechanism position SW	
25	I	H. P	Headphone input	Refer note 8
26	O	PRO-STB/KC-STB	Dolby PROLOGIC IC(LA2785,LV1010N)strobe/Karaoke (Key control) IC(M65840SP) strobe	Refer Note 2
27	O	S-CLK	Surround IC clock(TDA7315,TDA7345)	
28	I/O	S-DATA/S-ACK	Surround IC data(TDA7315 · TDA7345)	
29	I	$\overline{\text{CE}}$	Power failure input	
30	O	LED-STB	LED IC(NJU3718G) strobe	
31	O	PRO-CLK/KC-CLK	Dolby PROLOGIC IC(LA2785,LV1010N)clock/Karaoke (Key control) IC(M65840SP)clock output	Refer Note 2
32	I	SCOR	Sub code(CXD2508Q)	
33	O	PRO-DT/KC-DATA	Dolby PROLOGIC IC(LA2785,LV1010N) data/Karaoke (Key control) IC(M65840SP) data output	Refer Note 2
34	I	REM	Remote control input	
35		$\overline{\text{RESET}}$	Reset	

PIN NO.	I/O	NAME	DESCRIPTION	REMARKS
36	I	Xcin	Timer clock input(32.768KHz)	
37	O	Xcout		
38	I	Xin	Main clock input(8.38MHz)	
39	O	Xout		
40		Vss	(GND)	
41 ～ 44	I	KR3 ～ KR0	Key return 3 ～ 0	
45	O	E-OE	Expander IC(BU4094BF) enable control	
46	O	SEL-STB	Selector IC(NJU7313AM) strobe	
47 ～ 54	O	G8 ～ G1	FL grid output G8 ～ G1	
55 ～ 80	O	S40 ～ S15	FL segment output S40 ～ S15	
81~90	O	SI4/KS14 ～ S5/KS5	FL segment/Key scan output S14/KS14~S5/KS5	
91		Vcc	(Micom power)	
92~95	O	S4/KS4~S1/KS1	FL segment/Key scan output S4/KS4~S1/KS1	
96	I	CW	Rotary encoder input B	
97	I	CW	Rotary encoder input A	
98		Vee	Full down power	
99		AVss	A/D GND	
100		Vref	A/D reference voltage	

1.5 Key scan line input

NAME	DESCRIPTION	REMARKS
SLT	CD limit SW	
DNSW	CD down SW	
UPSW	CD up SW	
LDSW	CD load SW	
UNLOAD	CD unload SW	
A-PACK	A deck tape detection	
B-PACK	B deck tape detection	
A-CrO2	A deck Normal/CrO2 detection	
B-CrO2	B deck Normal/CrO2 detection	
A-PLAY	A deck PLAY — SW	
B-PLAY	B deck PLAY — SW	
FREC	Forward REC detection	
RREC	Reverse REC detection	Refer Note 7
TEST	PCB TEST mode	
DSW3	Decided model(D)	
DSW4		
DSW5	Decided destination(D)	
DSW6		
DSW0	Decided tuner destination(D)	
DSW1		
DSW2		
$\overline{\text{ST}}$	PLL stereo input	
$\overline{\text{SD}}$	Station detector input	

CIRCUIT DESCRIPTION

Note 1: This port controls only the J-type of UD303/UD423. As for the same model for other destinations, it is set to the input mode, and the register to be accessed is kept at Low.

Note 2: This port controls only the M/J-type of UD423 (key-control type) and all destination models of UD403 (DOLBY PRO LOGIC type). As for the model for other destinations, it is set to the input mode, and the register to be accessed is kept at Low.

Note 3: This terminal controls only all destination models of UD403 (DOLBY PRO LOGIC type). As for other models, it is set at Low.

Note 4: This terminal controls the M/J type of UD203, the E/M type of UD303/UD403, the M/J type of UD423, and the K type of UD403. As for other models, it is set at Low.

Note 5: This terminal controls the M/J type of UD303/UD423. As for other models, it is set at Low.

Note 6: This terminal controls all destination models of UD403 as a MAIN RELAY as well as the M/J type of UD423 as a KEY CONTROL LED. As for other models, it is set at Low.

Note 7: This terminal is fixed at Low for the ONE-WAY type deck (i. e. all destination models of UD203).

Note 8: This port is fixed at Low except on UD403.

Note 9: This port is unused when the mechanical deck has one motor.

	UD203				UD303				UD403			UD413				UD423	
	K	E	M	J	K	E	M	J	K	E	M	K	E	M	J	M	J
Note 1								O									O
Note 2									O	O	O					O	O
Note 3									O	O	O						
Note 4			O	O		O	O	O	O	O	O					O	O
Note 5							O	O	O		O					O	O
Note 6									O	O	O					O	O
Note 7	O	O	O	O					O								
Note 8									O	O	O						

Additional Explanation on Note 4:

OMNI RELAY (MATRIX SURROUND) Control

The models that this terminal controls as an OMNI RELAY are UD203 (M/J), UD303 (E/M/J), UD403 (E/M), and UD423 (M/J), of which control is activated (i. e. turned ON) in the ARENA / JAZZ CLUB / STADIUM mode of PRESENCE.

As far as UD403 (K) is concerned, the terminal is controlled (i. e. turned ON) only when it is set at DOLBY PRO LOGIC. 3 STEREO.

Please note that there is no need to control it when the same model for other destinations are set at DOLBY PRO LOGIC: 3 STEREO.

DIODE SWITCH TABLE

(1)DECIDED MODEL(DSW3,DSW4)

	DSW4 D19	DSW3 D18
UD203	L	L
UD303	L	H
UD403	H	L
UD413/UD423	H	H

L : Non diode
H : Exist diode

(2)DECIDED DESTINATION(DSW5,DSW6)

	DSW6 D16	DSW5 D17
K. P. R	L	L
E. T, G. X	L	H
M, Y	H	L

L : Non diode
H : Exist diode

.6 Initialization (Reset)

Insert the AC plug into the outlet while holding down the ENTER key of main unit.

Initial stage

	State	
SYSTEM	POWER	OFF
CLOCK PROG.	CLOCK	STOP(AM12:00)
	PROG. Operation MODE	OFF
	PROG.1 : ON=AM12:00	OFF=AM12:00
	MOD=PLAY	SOC=TUNER(1ch)
	PROG.2 : ON=AM12:00	OFF=AM12:00
	MOD=PLAY	SOC=TUNER(1ch)
AMP	VOLUME	7SEG=7
	SELECTOR	TUNER
	EQ.	OFF
	PRESENCE	OFF
	LLC	OFF
	ACTIVE N.B.	OFF
	MUTING	OFF

	State	
TUNER	BAND	FM
	Each last BAND	
	FM : P.ch= - - ch	FREQ=min(76.0 or 87.5MHz)
	AM(MW) : P.ch= - - ch	FREQ=min(530 or 531kHz)
	LW : P.ch= - - ch	FREQ=min(153kHz)
	P.CH Memory 1ch~20ch : Test frequency	(Refer to Test Frequency)
	Tuning MODE	AUTO (AUTO STEREO)
TAPE	A/B Selector	B
	A Deck Head position	For FWD
	B Deck Head position	For FWD
	DOLBY NR	OFF
	DIRECTION	⇄
CD	DISC Selector	DISC 1
	REPEAT	OFF

2 TEST MODE

2.1 Cassette Deck TEST Mode

TEST Mode	Operation	Description
Input method	While depressing the TAPE key, plug the power cord in to an AC power outlet.	Entered TEST mode.
Cancel method	Turn off the power.	Cancelled TEST mode.
4 sec. REC	REC	Insert the cassette tape of B deck, select AUX, the deck start REC position. On the REC mute off, started 4 sec REC. After return REC Starting position,select TAPE, started PLAY position.
Direct PLAY	FWD key ※ RVS key(Insert the tape in the A or B deck)	FWD key : Moved FWD PLAY to select A or B RVS key : Moved REV PLAY to select A or B.
W PLAY	FWD key ※ RVS key(Insert the tape in the A or B deck)	Moved PLAY A and B, output PLAY signal with selection.
FL display	DEMO	FL : All no light ←→ normal display(cyclic) LED RED and GRN : Flickering ←→ normal display(Cyclic)

※RVS position isn't RXD-F2.

2.2 DETECT HALF SW (On TEST MODE)

A B
◁ ▷ ◁ ▷
↓ ↓ ↓ ↓
① ② ③ ④

① A deck sw detection display
Lit(ON) : A deck NORMAL tape
Lit(OFF) : A deck METAL, CrO2 tape

② B deck sw detection display
Lit(ON) : B deck NORMAL tape
Lit(OFF) : B deck METAL, CrO2 tape

③ B deck sw detection display
Lit(ON) : B deck RVS direction REC possible tape
Lit(OFF) : B deck RVS direction REC impossible tape

④ B deck sw detection display
Lit(ON) : B deck FWD direction REC possible tape
Lit(OFF) : B deck FWD direction REC impossible tape

2.2 AMP GE TUNER TEST MODE

1. How to turn it ON
   If you turn ON the power while pressing the AUX key or the TUWER key, it will go into the AMP/GE/TUNER test mode.
2. Operation immediately after the start-up of the test mode
   The test mode gets started while the power is turned ON. If the AUX key is pressed, the selector will be turned to "AUX." If the TUNER key is pressed, it will be turned to "TUNSR. All the FLs will light up. The red and green lamps of the two-color LEDS will light up by turns at 500 msec. interval. All the single-color LEDS will light up. The indication with all the LEDs' lighting up can be released by operating the key on the remote control or on the main body Then, it will be returned to the ordinary "AUX" display then to the ordinary display.
3. Operation in the test mode

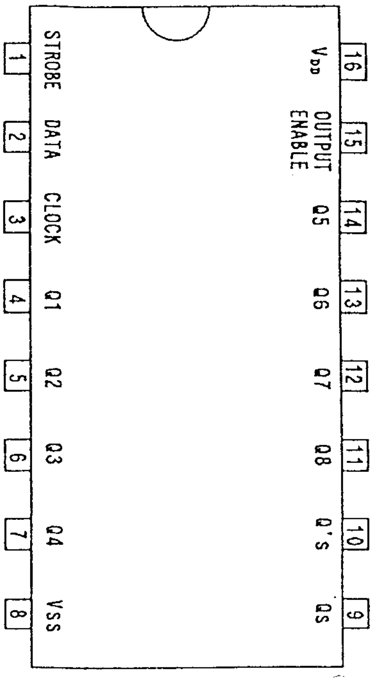
(1) MUTE control is not activated when the mode is switched.
(2) The test mode will not be terminated if it is shifted to other positions than "AUX.
(3) The test mode will be terminated by plugging it off the power source or by initializing it, when all the settings will be initialized.
(4) During the test mode, it can be operated in a special manner that is different from an ordinary operation by using the keys on the remote control or the main body, specifically as shown in the following table.

Key	Function	Key	Function
POWER	Initialization	DEMO	All light ⇄ normal display(cyclic)
CD	Normal operation	+10(Remocon key)	Selector TUNER+10 key
TAPE	Normal operation	0(Remocon key)	Selector TUNER 0 key
TUNER	Normal operation	1(Remocon key)	Selector TUNER 1 key
MD/AUX	Normal operation	2(Remocon key)	Selector TUNER 2 key
■	Normal operation	3(Remocon key)	Selector TUNER 3 key
|◀◀	Normal operation	4(Remocon key)	Selector TUNER 4 key
▶▶|	Normal operation	5(Remocon key)	Selector TUNER 5 key
◀◀	Normal operation	6(Remocon key)	Selector TUNER 6 key
▶▶	Normal operation	7(Remocon key)	Selector TUNER 7 key
ENTER.	Normal operation	8(Remocon key)	Selector TUNER 8 key
LLC	Normal operation	9(Remocon key)	Selector TUNER 9 key
PRESENCE	Normal operation		
N. B.	Normal operation		
EQ. ON/OFF	Normal operation		
DEMO	Normal operation		
DISC 1	Normal operation		
DISC 2	Normal operation		
DISC 3	Normal operation		
OPEN/CLOSE	Normal operation		
※DISK SKIP	※Equalizer FLAT (OFF)		
REPEAT	Normal operation		
A/B(A)	※Master MID(CE)		
DIRECTION/B(F2 only)	※Master MIN(L)		
DOLBY NR B(Unit)	Equalizer MIN		
DUBBING (Unit)	Equalizer MAX		
REC/ARM(REC)	HIT MASTER ON		
ONE TOUCH EDIT	※Master MAX(R)		

※ The DISK SKIP key is used for "Equalizer FLAT" and "OFF function" (to turn OFF "PRESENCE" and "HIT MASTER").
※ The remote control/main body keys that are not listed above will work as usual.
※ If you press the center key of the models equipped with DOLBY SURROUND function, the DIRECTION key has the "L-side balance MAX" function, the A/B(A) key has the "balance center" function, and the ONS TOUCH EDIT key has the "R-side balance MAX" function.

3. Expander μ-com : BU4094BCF (X09 : IC11) (X28 : IC 6,7) , BU4094BC (X32 : IC6)

3.1 Pin connection


1 STROBE
2 DATA
3 CLOCK
4 Q1
5 Q2
6 Q3
7 Q4
8 VSS
16 V_{DD}
15 OUTPUT ENABLE
14 Q5
13 Q6
12 Q7
11 Q8
10 Q'S
9 QS

3.2 Pin connection

Pin No.	Pin Name	I/O	Pin Function
1	STROBE	I	STROBE INPUT
2	DATA	I	DATA INPUT
3	CLOCK	I	CLOCK INPUT
4	Q1	O	PARALLEL OUTPUT
5	Q2	O	PARALLEL OUTPUT
6	Q3	O	PARALLEL OUTPUT
7	Q4	O	PARALLEL OUTPUT
8	Vss	—	Vss
9	Qs	O	SERIAL OUTPUT
10	Q's	O	SERIAL OUTPUT
11	Q8	O	PARALLEL OUTPUT
12	Q7	O	PARALLEL OUTPUT
13	Q6	O	PARALLEL OUTPUT
14	Q5	O	PARALLEL OUTPUT
15	OUTPUT ENABLE	I	ENABLE INPUT
16	V DD	—	V DD

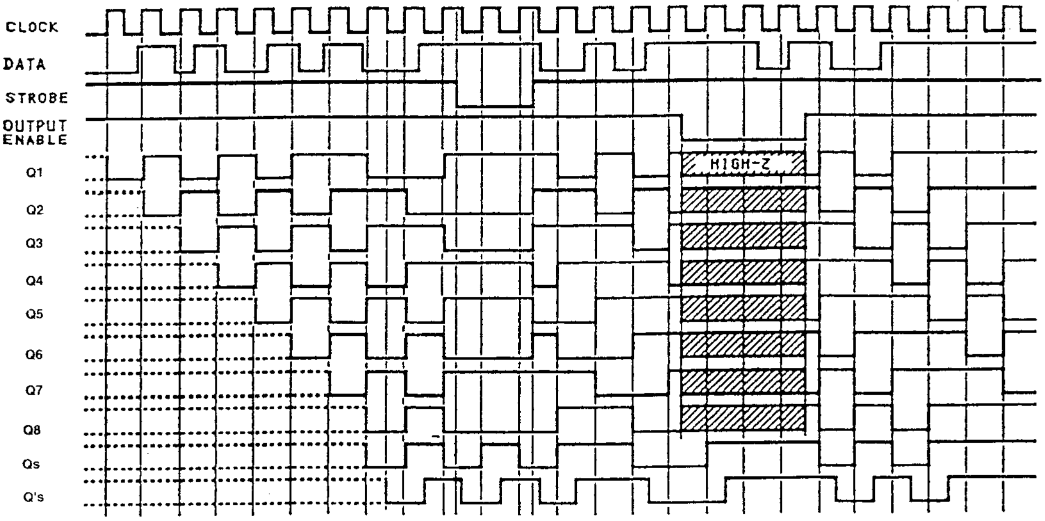
※Refer to next diagram about Q1 ～Q8.

3.3 TRUE TABLE

CLOCK	OUTPUT ENABLE	STROBE	DATA	PARALLEL OUTPUTS		SERIAL OUTPUTS	
				Q1	Qn	Qs	Q's
↑	L	X	X	Z	Z	Q7	No Chg.
↓	L	X	X	Z	Z	No Chg.	Qs
↑	H	L	X	No Chg.	No chg.	Q7	No Chg.
↑	H	H	L	L	Qn- 1	Q7	No Chg.
↑	H	H	H	H	Qn-1	Q7	No Chg.
↓	H	X	X	No Chg.	No Chg.	No Chg.	Qs

Z=High Impedance
X=Don' t Care

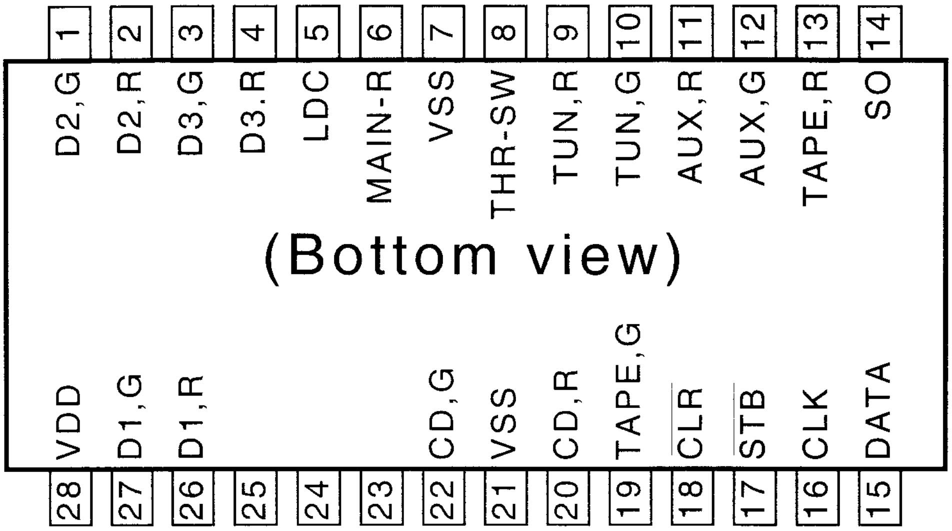
3.4 Timing chart


CLOCK
DATA
STROBE
OUTPUT ENABLE
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
Qs
Q's
HIGH-Z

CIRCUIT DESCRIPTION

4. EXPANDER μ-COM : NJU3718G (X14 : IC2)

4.1 Pin connection


1 D2,G
2 D2,R
3 D3,G
4 D3.R
5 LDC
6 MAIN-R
7 VSS
8 THR-SW
9 TUN,R
10 TUN,G
11 AUX,R
12 AUX,G
13 TAPE,R
14 SO
(Bottom view)
28 VDD
27 D1,G
26 D1,R
25
24
23
22 CD,G
21 VSS
20 CD,R
19 TAPE,G
18 CLR
17 STB
16 CLK
15 DATA

4.2 Pin description

Pin No.	Pin Name	I/O	Pin Function
1	D2. G	O	DISC2 GREEN
2	D2. R	O	DISC2 RED
3	D3. G	O	DISC3 GREEN
4	D3. R	O	DISC3 RED
5	LDC	O	CD LASER DIODE
6	MAIN-R	O	MAIN SPEAKER RELAY(Ref.Note 6)
7	Vss	—	V ss
8	THR-SW	O	Key control/Pro Logic through SW
9	TUN. R	O	Selector TUNER LED RED
10	TUN. G	O	Selector TUNER LED GREEN
11	AUX. R	O	Selector AUX LED RED
12	AUX. G	O	Selector AUX LED GREEN
13	TAPE. R	O	Selector TAPE LED RED
14	SO	I	NO USE
15	DATA	I	DATA INPUT
16	CLK	I	CLOCK INPUT
17	$\overline{\text{STB}}$	I	STROBE INPUT
18	$\overline{\text{CLR}}$	I	CLEAR INPUT
19	TAPE. G	O	Selector TAPE LED GREEN
20	CD. R	O	Selector CD LED RED
21	Vss	—	Vss
22	CD. G	O	Selector CD LED RED
23	◀◀ ▶▶	O	Center control key(◀◀ ▶▶)
24	⏮ ⏭	O	Center control key(⏮ ⏭)
25	■	O	Center control key(■)
26	D1. R	O	DISC1 RED
27	D1. G	O	DISC1 GREEN
28	V DD	—	V DD

● Note 6: This terminal controls all destination models of UD403 as a MAIN RELAY as well as the M/J type of UD423 as a KEY CONTROL LED. As for other models, it is set at Low.

CIRCUIT DESCRIPTION

Expander port output

1. Amp section (8 ports)

IC-NO.	Pin No.	Name	I/O	Function name	Description	Remarks
(X09)IC11	4	Q1	O	POWER	Power supply output	
	5	Q2	O	AMUTE	Audio MUTE	
	6	Q3	O	CR-MUTE	Center rear MUTE	Ref. Note 3
	7	Q4	O	CR-R	Relay ON/OFF of center rear speakers	Ref. Note 3
	14	Q5	O	OMNI-R	Relay ON/OFF of OMNI speakers	Ref. Note 4
	13	Q6	O			
	12	Q7	O			
	11	Q8	O	TMUTE	Tuner MUTE	

- Note 3 : his terminal controls only all destination models of UD403 (DOLBY PRO LOGIC type). As for other models, it is set at Low.
- Note 4 : This terminal controls the M/J type of UD203, the E/M type of UD303/uD403, the M/J type of UD423, and the K type of UD403. As for other models, it is set at Low.
- Additional Explanation on Note 4 : OMNI RELAY (MATRIX SURROUND) Control
  The models that this terminal controls as an OMNI RELAY are UD203 (M/J), UD303 (E/M/J), UD403 (E/M), and UD423 (M/J), of which control is activated (i. e. turned ON) in the ARENA / JAZZ CLUB /STADIUM mode of PRESENCE.
  As far as UD403 (K) is concerned, the terminal is controlled(i. e. turned ON) only when it is set at DOLBY PRO LOGIC : 3 STEREO.
  Please note that there is no need to control it when the same model for other destinations are set at DOLBY PRO LOGIC : 3 STEREO.

2. Cassette deck section (1) (8 ports)

IC-NO.	Pin No.	Name	I/O	Function name	Description	Remarks
(X28)IC6	4	Q1	O	A-SOL	A solenoid control	
	5	Q2	O	A-CPM	A motor control	Ref. Note 9
	6	Q3	O	B-SOL	B solenoid control	
	7	Q4	O	B-CPM	B motor control	
	14	Q5	O	R/P	B mechanism REC/PLAY change over	
	13	Q6	O	BEAT-C	Beat canceller	
	12	Q7	O	ECHO-B	Echo IC change over B	Ref. Note 5
	11	Q8	O	ECHO-A	Echo IC change over A	Ref. Note 5

- Note 5 : This terminal controls the M/J type of UD303/UD423. As for other models, it is set at Low.
- Note 9 : This port is unused when the mechanical deck has one motor.

3. Cassette Deck section(2)(8 ports)

IC-NO.	Pin No.	Name	I/O	Function name	Description	Remarks
(X28)IC7	4	Q1	O	RMUTE	REC MUTE	
	5	Q2	O	D-R/P	Dolby REC/PLAY changeover	
	6	Q3	O	LMUTE	LINE MUTE	
	7	Q4	O	NR	Noise reduction changeover	
	14	Q5	O	A/B	A/B playback changeover	
	13	Q6	O	ASEL	A normal/chrome selector	
	12	Q7	O	BSEL	B normal/chrome selector	
	11	Q8	O	BIAS	BIAS on/off control	

- Note 10 : This terminal had been set at "MS" (DPSS sensitivity switching) with a TS, but had been unused. There occurred a sound leak in the FF/RWD/search mode with the TS, and it is currently controlled as a LINE MUTE terminal.

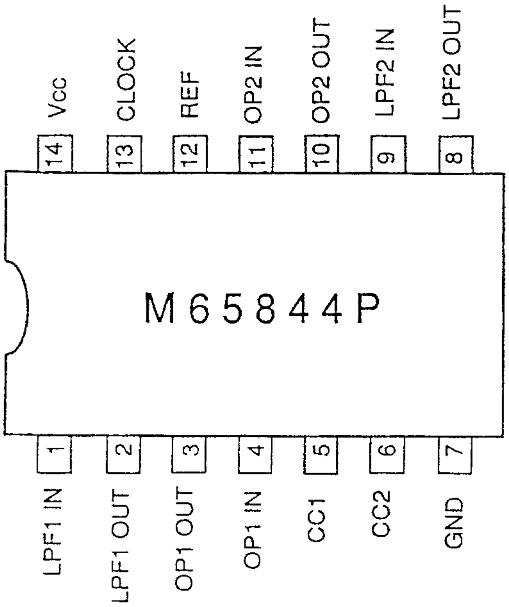
4. CD section(8 ports)

IC-NO.	Pin No.	Name	I/O	Function name	Description	Remarks
(X32)IC6	4	Q1	O	RMR	Rotary motor control	
	5	Q2	O	BRKM	Rotary motor control	
	6	Q3	O	RMF	Rotary motor control	
	7	Q4	O	LMF	Load motor control	
	14	Q5	O	DC-CNT	CD IC power supply control	
	13	Q6	O	I CRST	CD IC reset control	
	12	Q7	O	P-MON	Focus control	
	11	Q8	O	LMR	Load motor control	

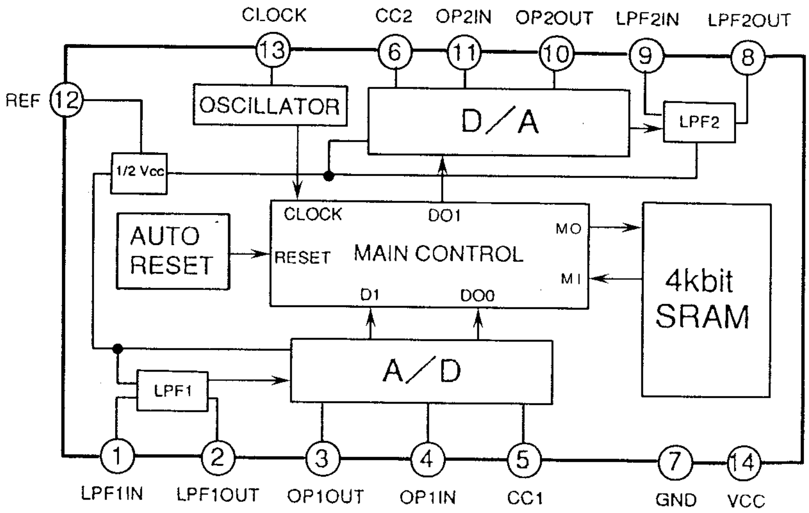
CIRCUIT DESCRIPTION

5. Digital echo : M65844P (X09 : IC8)

5.1 Pin Connection


Vcc
CLOCK
REF
OP2 IN
OP2 OUT
LPF2 IN
LPF2 OUT
14
13
12
11
10
9
8
M65844P
1
2
3
4
5
6
7
LPF1 IN
LPF1 OUT
OP1 OUT
OP1 IN
CC1
CC2
GND

5.2 Block diagram


CLOCK
CC2
OP2IN
OP2OUT
LPF2IN
LPF2OUT
13
6
11
10
9
8
REF
12
OSCILLATOR
D/A
LPF2
1/2 Vcc
AUTO RESET
CLOCK
DO1
MO
RESET
MAIN CONTROL
MI
D1
DO0
4kbit SRAM
A/D
LPF1
1
2
3
4
5
7
14
LPF1IN
LPF1OUT
OP1OUT
OP1IN
CC1
GND
VCC

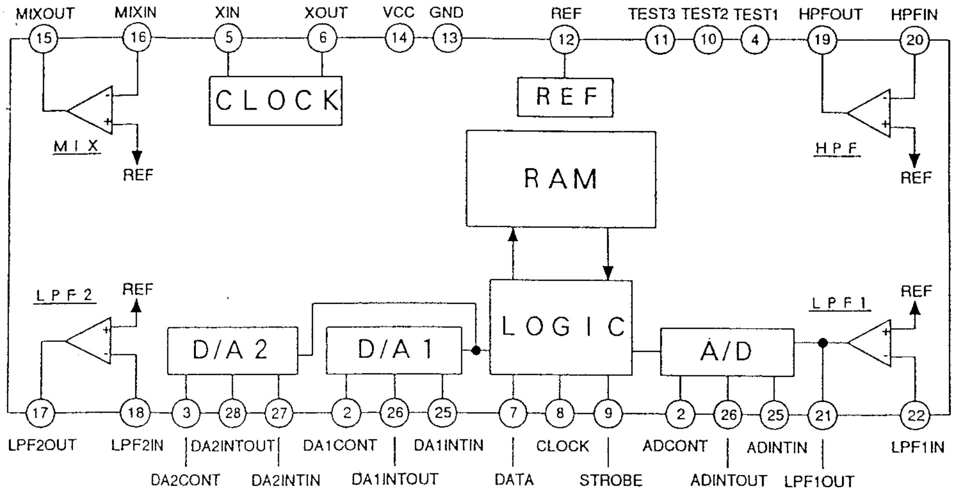
5.3 Pin description

Pin No.	Name	I/O	Discription
1	LPF1 IN	I	Input side L.P.F. with outside C.R.
2	LPF1 OUT	O	
3	OP1 OUT	O	A/D converted integrator with outside C.
4	OP1 IN	I	
5	CC1	-	A/D convertor ADM control
6	CC2	-	D/A convertor ADM control
7	GND	-	GND
8	LPF2 OUT	O	Input side L.P.F. with outside C.R.
9	LPF2 IN	I	
10	OP2 OUT	O	D/A converted integrator with outside C.
11	OP2 IN	I	
12	REF	-	Analog reference voltage ≒ 1/2Vcc
13	CLOCK	I	Generator(220KHz)with outside C.R.
14	Vcc	-	Power supply 4.5V ～ 5.5V(Specification)

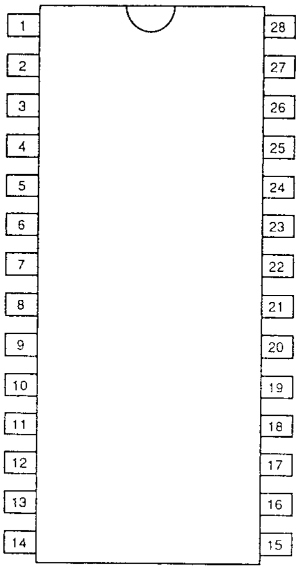
CIRCUIT DESCRIPTION

6. KEY CONTROL IC : 65840SP (X11 : IC1)

6.1 Block diagram


MIXOUT
MIXIN
XIN
XOUT
VCC
GND
REF
TEST3
TEST2
TEST1
HPFOUT
HPFIN
15
16
5
6
14
13
12
11
10
4
19
20
CLOCK
REF
MIX
REF
RAM
HPF
REF
LPF2
REF
LPF1
REF
D/A 2
D/A 1
LOGIC
A/D
17
18
3
28
27
2
26
25
7
8
9
2
26
25
21
22
LPF2OUT
LPF2IN
DA2INTOUT
DA1CONT
DA1INTIN
CLOCK
ADCONT
ADINTIN
LPF1IN
DA2CONT
DA2INTIN
DA1INTOUT
DATA
STROBE
ADINTOUT
LPF1OUT

6.2Pin connection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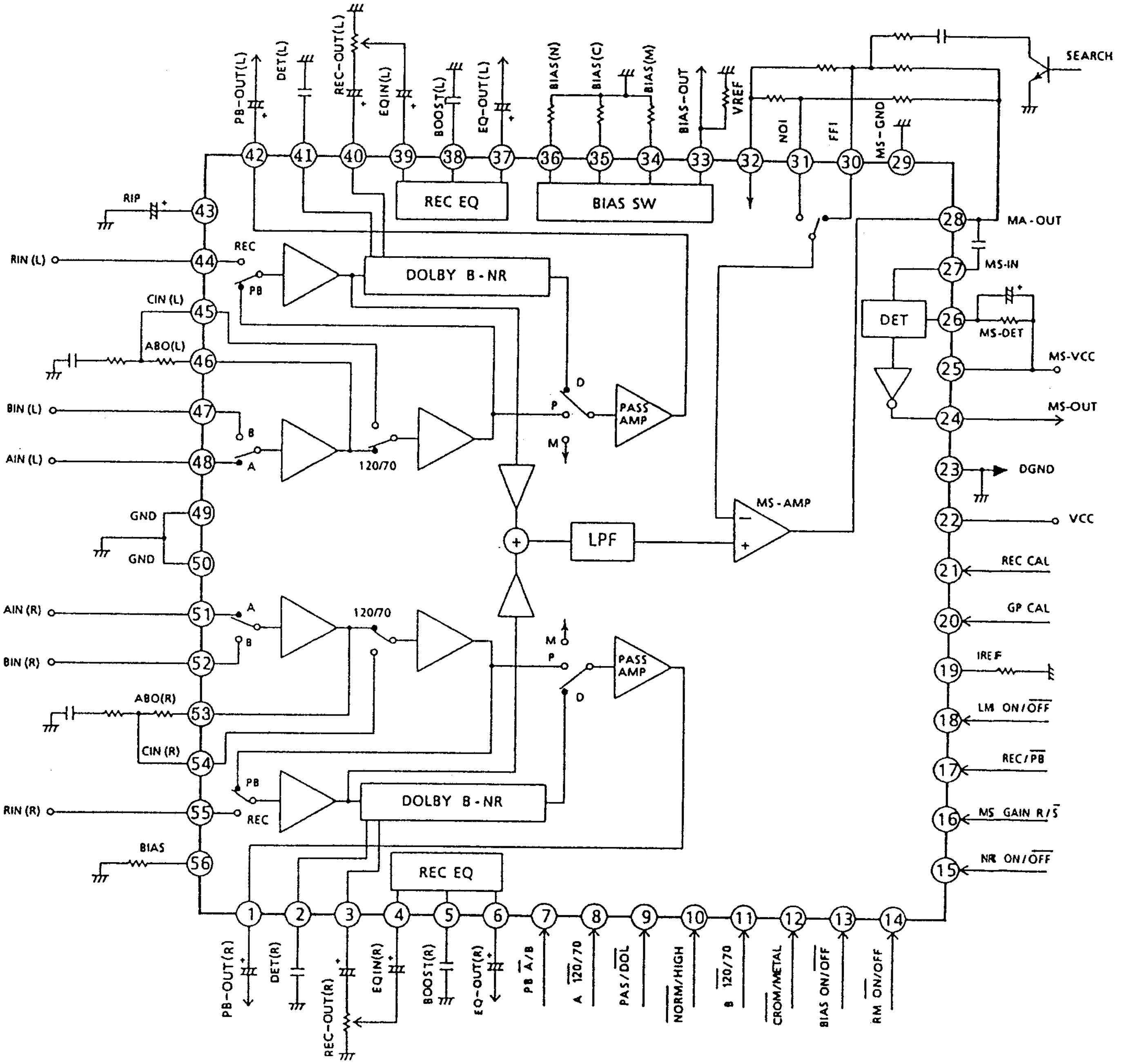
6.3 Pin description

PIN NO.	NAME	I/O	DESCRIPTION
1	ADCONT	O	Decide fitness time constant of ADM system A/D convert.
2	DA1CONT	O	Decide fitness time constant of ADM system D/A1 convert.
3	DA2CONT	O	Decide fitness time constant of ADM system D/A2 convert.
4	TEST1	O	L:NORMAL mode H:TEST mode
5	XIN	I	Connect 16MHz ceramic filter.
6	XOUT	O	
7	DATA	I	Serial bus DATA input
8	CLOCK	I	Serial bus CLOCK input
9	STROBE	I	Serial bus STROBE input
10	TEST2		N.C.(Open)
11	TEST3		N.C.(Open)
12	REF		1/2Vcc output,Connect filter C.
13	GND	-	GND
14	VCC		Power supply
15	MIXOUT	O	Mix key control low signal and through high signal.
16	MIXIN	I	
17	LPF2OUT	O	Post filter after converted D/A of the key control.
18	LPF2IN	I	
19	HPFOUT	O	L.P.F. of through high signal.
20	HPFIN	I	
21	LPF1OUT	O	Pre filter before converted A/D of the key control.
22	LPF1IN	I	
23	ADINTIN	I	A/D converted integrator with outside C.
24	ADINTOUT	O	
25	DA1INTIN	I	D/A1 converted integrator with outside C.
26	DA1INTOUT	O	
27	DA2INTIN	I	D/A2 converted integrator with outside C.
28	DA2INTOUT	O	

CIRCUIT DESCRIPTION

7. DOLBY IC : HA12182F(X28 : IC3)

7.1 Block diagram/pin connection


PB-OUT(L)
DET(L)
REC-OUT(L)
EQIN(L)
BOOST(L)
EQ-OUT(L)
BIAS(N)
BIAS(C)
BIAS(M)
BIAS-OUT
VREF
NOI
FFI
MS-GND
SEARCH
REC EQ
BIAS SW
MA-OUT
MS-IN
MS-DET
MS-VCC
MS-OUT
DGND
VCC
REC CAL
GP CAL
IREF
LM ON/OFF
REC/PB
MS GAIN R/S
NR ON/OFF
RIP
RIN (L)
REC
PB
DOLBY B-NR
CIN (L)
ABO(L)
DET
D
P
PASS AMP
BIN (L)
B
AIN (L)
A
120/70
M
MS-AMP
GND
GND
LPF
+
AIN (R)
BIN (R)
ABO(R)
CIN (R)
RIN (R)
BIAS
PB-OUT(R)
DET(R)
REC-OUT(R)
EQIN(R)
BOOST(R)
EQ-OUT(R)
PB A/B
A 120/70
PAS/DOL
NORM/HIGH
B 120/70
CROM/METAL
BIAS ON/OFF
RM ON/OFF
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7.2 Pin description

Pin No.	Name	Function
1	PBOUT(R)	PB output
2	DET(R)	Decided NR time constant
3	RECOUT(R)	REC output
4	EQIN(R)	REC EQ input
5	BOOST(R)	Decide low frequency boost time constant
6	EQOUT(R)	EQ output
7	PB $\overline{\text{A}}$/B	Mode decided input
8	A$\overline{\text{120}}$/70	Mode decided input
9	PASS/$\overline{\text{DOL}}$	Mode decided input
10	$\overline{\text{NORM}}$/HIGH	Mode decided input
11	B$\overline{\text{120}}$/70	Mode decided input
12	$\overline{\text{CROM}}$/METAL	Mode decided input
13	BIAS ON/$\overline{\text{OFF}}$	Mode decided input
14	RM $\overline{\text{ON}}$/OFF	Mode decided input
15	NR ON/$\overline{\text{OFF}}$	Mode decided input
16	MS GAIN R/$\overline{\text{S}}$	Mode decided input
17	REC/$\overline{\text{PB}}$	Mode decided input
18	LM ON/$\overline{\text{OFF}}$	Mode decided input
19	IREF	EQ reference current input
20	GPCAL	GP comparated terminal
21	RECCAL	REC gain comparated terminal
22	Vcc	Power supply
23	D-GND	Digital in/output reference voltage
24	MSOUT	MS output(to MPU)
25	MS-Vcc	Power supply
26	MSDET	Decided MS time constant
27	MSIN	MS input
28	MAOUT	MS AMP output
29	MS-GND	GND
30	FFI	MS(FF,REW) return input
31	NOI	MS(Normal) return input
32	VREF	MS reference output
33	BIASOUT	REC bias output
34	BIAS(M)	REC bias current input
35	BIAS(C)	REC bias current input
36	BIAS(N)	REC bias current input
37	EQOUT(L)	EQ output
38	BOOST(L)	Decide low frequency boost time constant
39	EQIN(L)	REC EQ input
40	RECOUT(L)	REC output
41	DET(L)	Decided NR time constant
42	PBOUT(L)	PB output
43	RIP	Ripple filter
44	RIN(L)	REC input
45	CIN(L)	70 μ buffer input
46	ABO(L)	PB input buffer output

Pin No.	Name	Function
47	BIN(L)	B deck PB input
48	AIN(L)	A deck PB input
49	GND	GND
50	GND	GND
51	AIN(R)	A deck PB input
52	BIN(R)	B deck PB input
53	ABO(R)	PB input buffer output
54	CIN(R)	70 μ buffer input
55	RIN(R)	REC input
56	BIAS	Dolby bias current input

*MS : Music Sensor

7.3 HA12182F : PARALLEL-DATA

Pin NO. QFP- 56	Pin name	Lo	Hi
7	PB A/B	A in ACTIVE *1	B in ACTIVE *1
8	A120/70	*1	*1
9	PAS/ DOL	DOLBY NR	PASS AMP ACTIVE
10	NORM/ HIGH	NORMAL	Hi-SPEED
11	B120/70	*1 *2	*1 *2
12	CROM / METAL	*2	*2
13	BIAS ON /OFF	BIAS OFF	BIAS ON
14	RM ON/OFF	EQOUT MUTE	EQOUT MUTE OFF
15	NR ON/OFF	DOLBY NR OFF	DOLBY NR ON
16	MS GAIN R/S	SEARCH	REPEAT
17	REC/ PB	PB (DECODE)	REC (ENCODE)
18	LM ON/OFF	PBOUT MUTE OFF	PBOUT MUTE

Note) "Lo " when pin open.

*1 PB EQ LOGIC

A120/70	B120/70	PB A/B	
		L	H
L	L	FLAT	FLAT
L	H	FLAT	70y
H	L	70 μ	FLAT
H	H	7o μ	70 μ

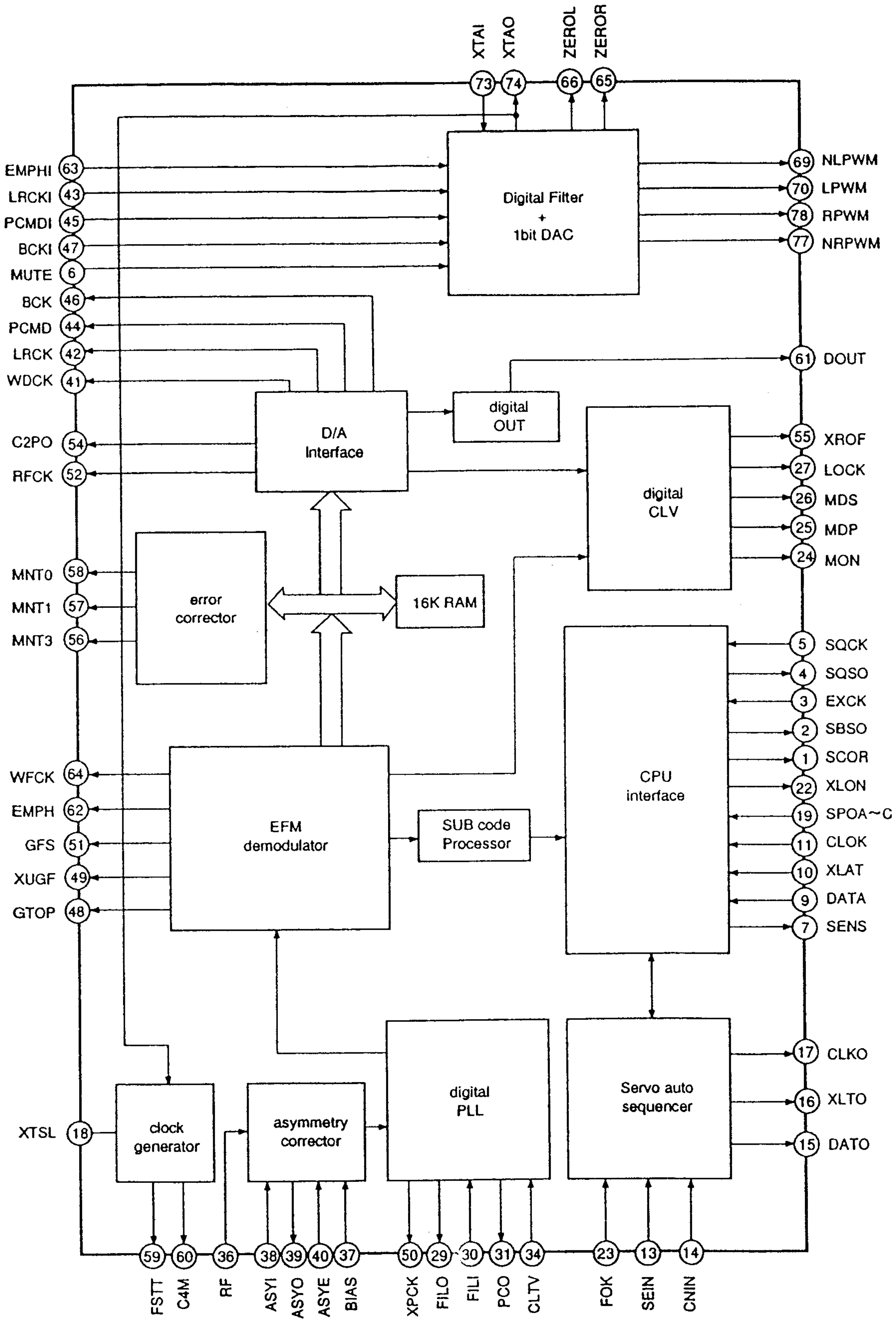
*2 REC BIAS LOGIC

		CROM / METAL	
		L	H
B120/70	L	NORMAL (I)	NORMAL(I)
	H	CROM (II)	METAL(IV)

CIRCUIT DESCRIPTION

8. CD DSP : CXD2508AQ (X32 : IC2)

8.1 Pin connection


XTAI
XTAO
ZEROL
ZEROR
73
74
66
65
Digital Filter + 1bit DAC
EMPHI 63
LRCKI 43
PCMDI 45
BCKI 47
MUTE 6
BCK 46
PCMD 44
LRCK 42
WDCK 41
69 NLPWM
70 LPWM
78 RPWM
77 NRPWM
61 DOUT
digital OUT
D/A Interface
C2PO 54
RFCK 52
digital CLV
55 XROF
27 LOCK
26 MDS
25 MDP
24 MON
MNT0 58
MNT1 57
MNT3 56
error corrector
16K RAM
CPU interface
5 SQCK
4 SQSO
3 EXCK
2 SBSO
1 SCOR
22 XLON
19 SPOA~C
11 CLOK
10 XLAT
9 DATA
7 SENS
WFCK 64
EMPH 62
GFS 51
XUGF 49
GTOP 48
EFM demodulator
SUB code Processor
17 CLKO
16 XLTO
15 DATO
XTSL 18
clock generator
asymmetry corrector
digital PLL
Servo auto sequencer
59 FSTT
60 C4M
36 RF
38 ASYI
39 ASYO
40 ASYE
37 BIAS
50 XPCK
29 FILO
30 FILI
31 PCO
34 CLTV
23 FOK
13 SEIN
14 CNIN

CIRCUIT DESCRIPTION

8.2 Pin description

Pin NO.	Name	I/O	Description
Q			
1	SCOR	O	Sub code sink output H : Detected S0 or S1
2	SBSO	O	SUBP ~ W serial output
3	EXCK	I	SBSO read out clock input
4	SQSO	O	SUBQ80BIT serial output
5	SQCK	I	SQSO read out clock input
6	MUTE	I	H : ON, L : OFF
7	SENS	O	SENS output, output to CPU
8	XRST	I	System reset, L : RESET
9	DATA	I	Serial data input from CPU
10	XLAT	I	Latch input from CPU, Latched serial data on falling edge
11	CLOK	I	Serial data transmission clock input from CPU
12	Vss		GND
13	SEIN	I	Sense input from SSP
14	CNIN	I	Track jump Q'ty count signal input
15	DATO	O	Serial data output to SSP
16	XLTO	O	Serial data latch output for SSP, Latched on falling edge.
17	CLKO	O	Serial data transmission clock output to SSP.
18	SPOA	I	Expander μ -Com interface(Input A)
19	SPOB	I	Expander μ -Com interface(Input B)
20	SPOC	I	Expander μ -Com interface(Input C)
21	XTSL	I	Selected Xtal input, L : 16.9344MHz H : 33.8688MHz
22	XLON	O	μ -Com expander interface(Output)
23	FOK	I	Focus OK input. Use SENS output and servo auto sequencer.
24	MON	O	Spindle motor ON/OFF control output
25	MDP	O	Spindle motor servo control
26	MDS	O	Spindle motor servo control
27	LOCK	O	Sampling 460Hz on GES, GFS H : H 8Times L : L
28	TEST	I	TEST terminal, normal use GND.
29	FILO	O	Master PLL(Slave = Digital PLL) filter output.
30	FILI	I	Master PLL filter input
31	PCO	O	Master PLL charge pump output.
32	VDD		DSP digital power supply
33	AVss1		DSP analog power GND
34	CLTV	I	Master PLL VCO control voltage input.
35	AVDDI		DSP analog power supply
36	RF	I	EFM signal input
37	BIAS	I	Asymmetry revision circuit fixed current input.
38	ASYI	I	Asymmetry revision circuit comparator voltage input.
39	ASYO	O	EFM full swing output L =Vss, H = VDD
40	ASYE	I	L:Asymmetry revision OFF, H: Asymmetry revision ON
41	WDCK	O	48bit slot D/A interface, world clock(2FS)
42	LRCK	O	48bit slot D/A interface LR clock(FS)
43	LRCKI	I	LR clock input(48bit slot) for DAC
44	PCMD	O	D/A interface, serial data(2'SCOMP,MSB first)
45	PCMDI	I	Audio data input(48bit slot) for DAC

CIRCUIT DESCRIPTION

Pin NO. Q	Name	I/O	Description
46	BCK	O	D/A interface, bit clock
47	BCKI	I	Bit clock input(48bit slot) for DAC
48	GTOP	O	GTOP output
49	XUGF	O	XUGF output
50	XPCK	O	XPLCK output
51	GFS	O	GFS output
52	RFCK	O	RFCK output
53	Vss		GND
54	C2PO	O	C2PO output
55	XROF	O	XRAOF output
56	MNT3	O	MNT3 output
57	MNT 1	O	MNT1 output
58	MNT0	O	MNT0 output
59	FSTT	O	Output 2/3 divided f of 33,8688MHz
60	C4M	O	4.2336MHz output
61	DOUT	O	Digital output
62	EMPH	O	CD Emphasis H : EX1ST L : Non
63	EMPHI	I	DAC demphasis ON/OFF, H : ON, L : OFF
64	WFCK	O	WRITE FRAME CLOCK output
65	ZEROL	O	No sound data detected output, H : No sound(Lch)
66	ZEROR	O	No sound data detected output, H : No sound(Rch)
67	DTS 1	I	DAC test terminal 1, normal L
68	VDD		DAC Digital power supply
69	NLPWM	O	Lch PWM output(Reverse phase)
70	LPWM	O	Lch PWM output(Normal phase)
71	AVDD2		PWM driver power supply
72	AVDD3		Xtal power supply
73	XTAI	I	33.8688MHz Xtal OSC input
74	XTAO	O	33.8688MHz Xtal OSC output
75	AVss3		Xtal GND
76	AVss2		PWM driver GND
77	NRPWM	O	Rch PWM output(Reverse phase)
78	RPWM	O	Rch PWM output(Normal phase)
79	DTS2	I	DAC test terminal 2, normal L
80	DTS 3	I	DAC test terminal 3, normal L

NOTES:

- "PCMD" is 2-S complementary output of "MSB First."
- "GTOP" is used to monitor the protective conditions of FrameSync (where "H" indicates "Sync protective window open").
- "XUGF" is a FrameSync obtained from the EFM signal, which is a negative pulse. This is a signal before Sync protection.
- "XPLICK" means to reverse the EFM PLL clock. The PLL is designed to match the falling edge with the changing point of the EFM signal.
- "GFS signal" is a signal that causes "H" when the FrameSync is matched with interpolation protective timing.
- "RFCK" is a 136- µsec. cycle signal that can be obtained at Xtal accuracy.
- "C2PO" is a signal that indicates the error status of the data.
- "XRAOF" is a signal that occurs when the 16K RAM exceeds the jitter margin of ±4F.

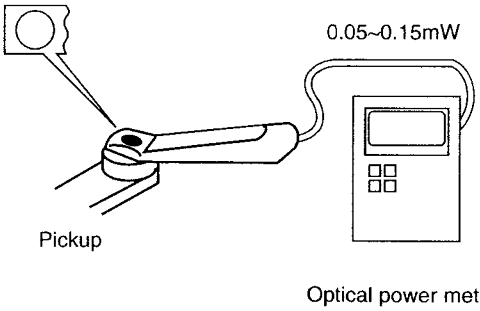
ADJUSTMENT

CD section

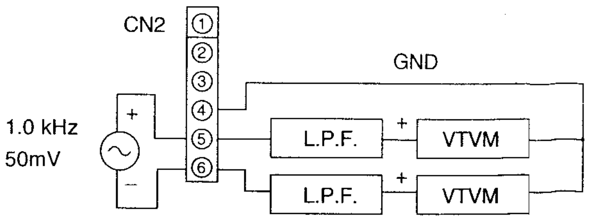
No.	ITEM	INPUT SETTING	OUTPUT SETTING	PLAYER SETTING	ALIGNMENT POINT	ALIGN FOR	FIG.
1	LASER POWER	-	Set the senor section of the optical power meter on the pickup lens.	Press CD key and turn the power on to enter the test mode.Press the"REPEAT"key to check that the display is "03".	-	On the power from.0.05 to 0.15mw. when the diffraction grating is correctly aligned with the RF level of 0.8Vp-p or more	(a)
2	TRACKING ERROR BALANCE	Test disc Type 4	Connect an oscilloscope as follows. CH1 : RF (CN2-1) CH2 : TE (CN2-6)	Load disc and set to test mode.Confirm the display is"03".	TE BALANCE VR3	Symmetry between upper and lower or DC=0±0.05V	
3	FOCUS ERROR BALANCE	Test disc Type 4	Connect an oscilloscope as follows. CH1 : RF(CN2-1) CH2 : TE(CN2-6)	Press the PLAY key. Confirm that the display is"05"	FE BALANCE VR4	Optimum eye pattern	
4	TRACKING GAIN	Test disc Type 4 Apply signal of 1.0kHz, 50mVrms to CN2 pin 5-6.	Connect a LPF to CN2 pin 5-6 to which connect an oscilloscope or AC voltmeters.	Press the PLAY key. Confirm that the displays"05"	TRACKING GAIN VR1	Two VTVMs should read the same value.	(e)

Note:
Type 4disc :SONY YEDS-18 Test Disc or equivalent.
LPF : Around 47kΩ + 390pF or so.
Step 1 ~ 5 are in Test Mode.

(a) Laser Power



(e) Tracking Gain Adj.



CD test mode input method : While depressing the CD key,
plug the power cord into an AC power outlet.

NO.	KEY	OPERATION	TRACK NO. DISPLAY
1	PLAY	Clamp DISC 1 1. FOCUS SERVO ....ON 2. TRACKING SERVO ....ON 3. FEED SERVO ....ON	05
2	REPEAT	1.FOCUS SERVO ....ON 2. TRACKING SERVO ....OFF 3. FEED SERVO ....OFF	03
3	DISC1	PLAY T NO.16	16
4	STOP	STOP	01
5	DISC2	SELECTED DISC1, SHIPMENT POSITION.	— — —

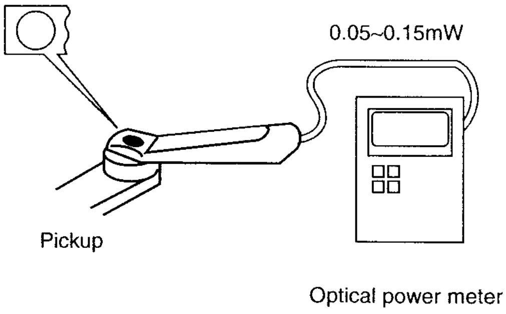
ADJUSTMENT

CD section

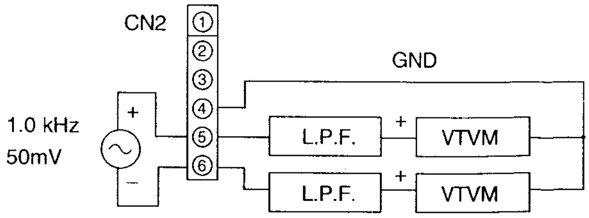
No.	ITEM	INPUT SETTING	OUTPUT SETTING	PLAYER SETTING	ALIGNMENT POINT	ALIGN FOR	FIG.
1	LASER POWER	-	Set the senor section of the optical power meter on the pickup lens.	Press CD key and turn the power on to enter the test mode.Press the"REPEAT"key to check that the display is "03".	-	On the power from.0.05 to 0.15mw. when the diffraction grating is correctly aligned with the RF level of 0.8Vp-p or more	(a)
2	TRACKING ERROR BALANCE	Test disc Type 4	Connect an oscilloscope as follows. CH1 : RF (CN2-1) CH2 : TE (CN2-6)	Load disc and set to test mode.Confirm the display is"03".	TE BALANCE VR3	Symmetry between upper and lower or DC=0±0.05V	
3	FOCUS ERROR BALANCE	Test disc Type 4	Connect an oscilloscope as follows. CH1 : RF(CN2-1) CH2 : TE(CN2-6)	Press the PLAY key. Confirm that the display is"05"	FE BALANCE VR4	Optimum eye pattern	
4	TRACKING GAIN	Test disc Type 4 Apply signal of 1.0kHz, 50mVrms to CN2 pin 5-6.	Connect a LPF to CN2 pin 5-6 to which connect an oscilloscope or AC voltmeters.	Press the PLAY key. Confirm that the displays"05"	TRACKING GAIN VR1	Two VTVMs should read the same value.	(e)

Note:
Type 4disc :SONY YEDS-18 Test Disc or equivalent.
LPF : Around 47kΩ + 390pF or so.
Step 1 ~ 5 are in Test Mode.

(a) Laser Power



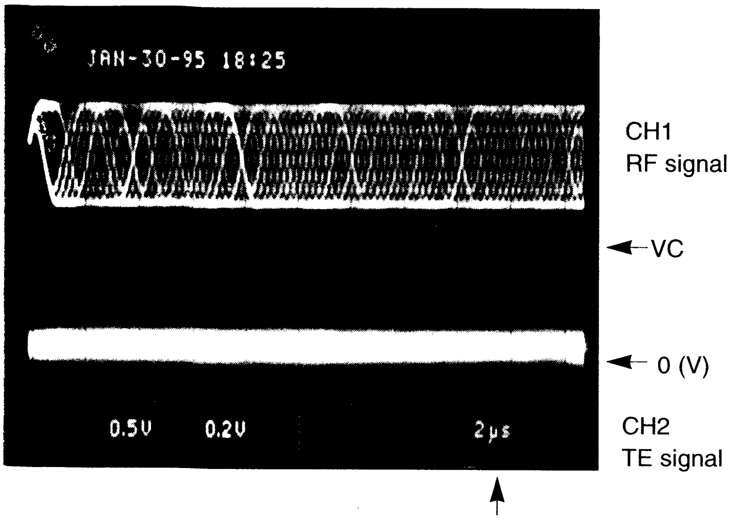
(e) Tracking Gain Adj.



CD test mode input method : While depressing the CD key,
plug the power cord into an AC power outlet.

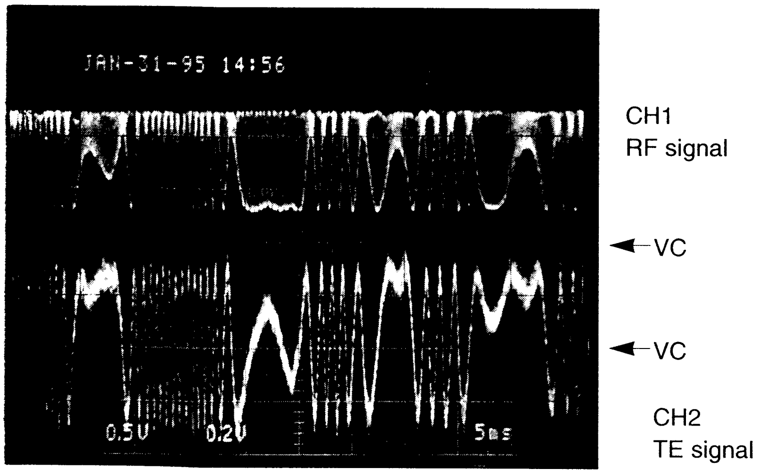
NO.	KEY	OPERATION	TRACK NO. DISPLAY
1	PLAY	Clamp DISC 1 1. FOCUS SERVO ....ON 2. TRACKING SERVO ....ON 3. FEED SERVO ....ON	05
2	REPEAT	1.FOCUS SERVO ....ON 2. TRACKING SERVO ....OFF 3. FEED SERVO ....OFF	03
3	DISC1	PLAY T NO.16	16
4	STOP	STOP	01
5	DISC2	SELECTED DISC1, SHIPMENT POSITION.	— — —

IG. (b)



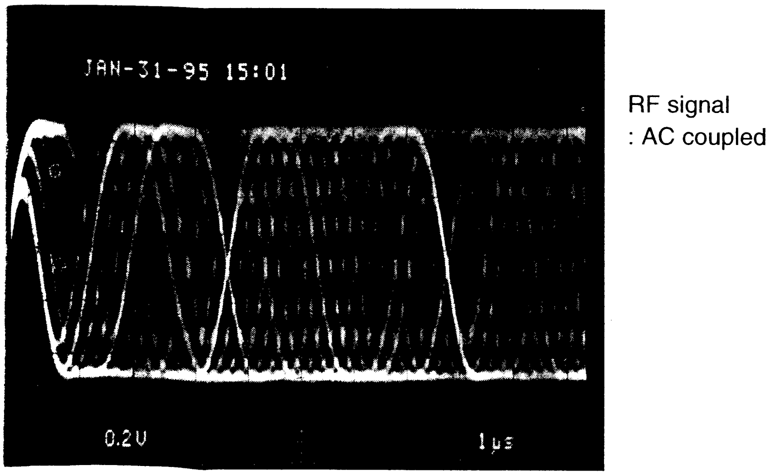
- RF signal and TE signal in test mode (PLAY).

IG. (c)



- RF signal and TE signal in test mode (Focusing servo ON / Tracking servo OFF). (Disc Type 4)
- Adjust TE signal so that the waveform is symmetrical in relation to VC. VR 3 (TE BALANCE)

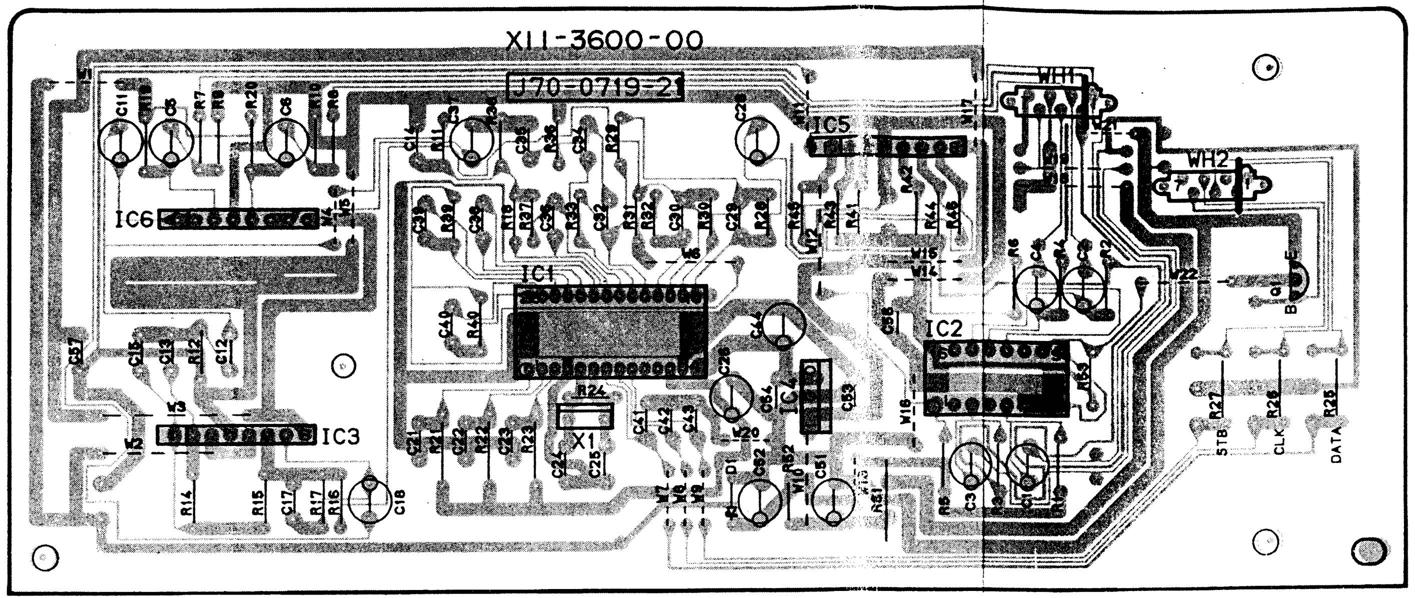
IG. (d)

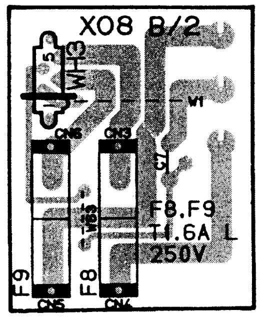


- RF signal in test mode (PLAY).
- Perform the tangential and focusing offset are focused into one point on the display. The crossing points above and below the center shall also be looked clearly.

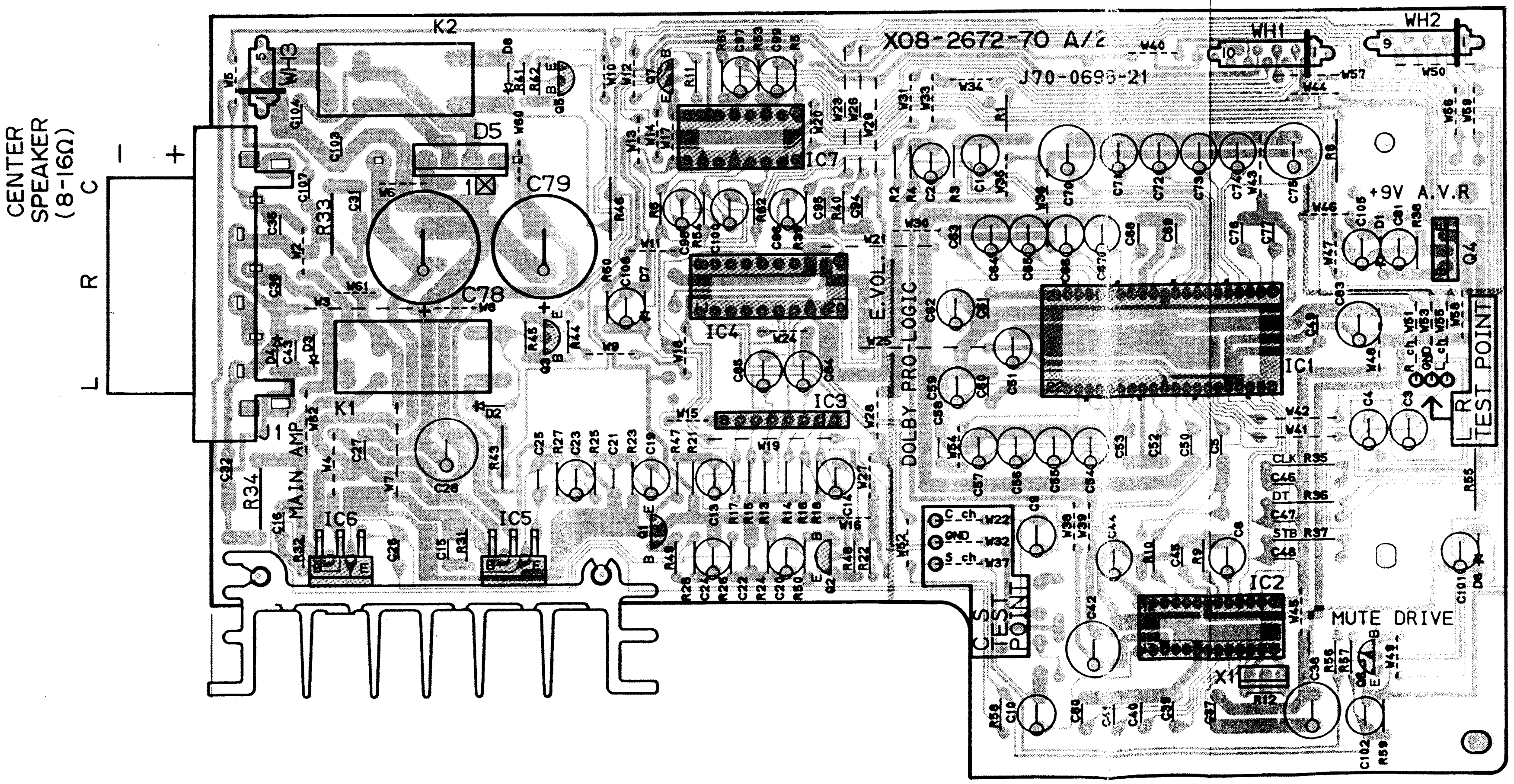
PC BOARD(COMPONENT SIDE VIEW)

CONTROL UNIT (X11-3600-00) : RXD-F42

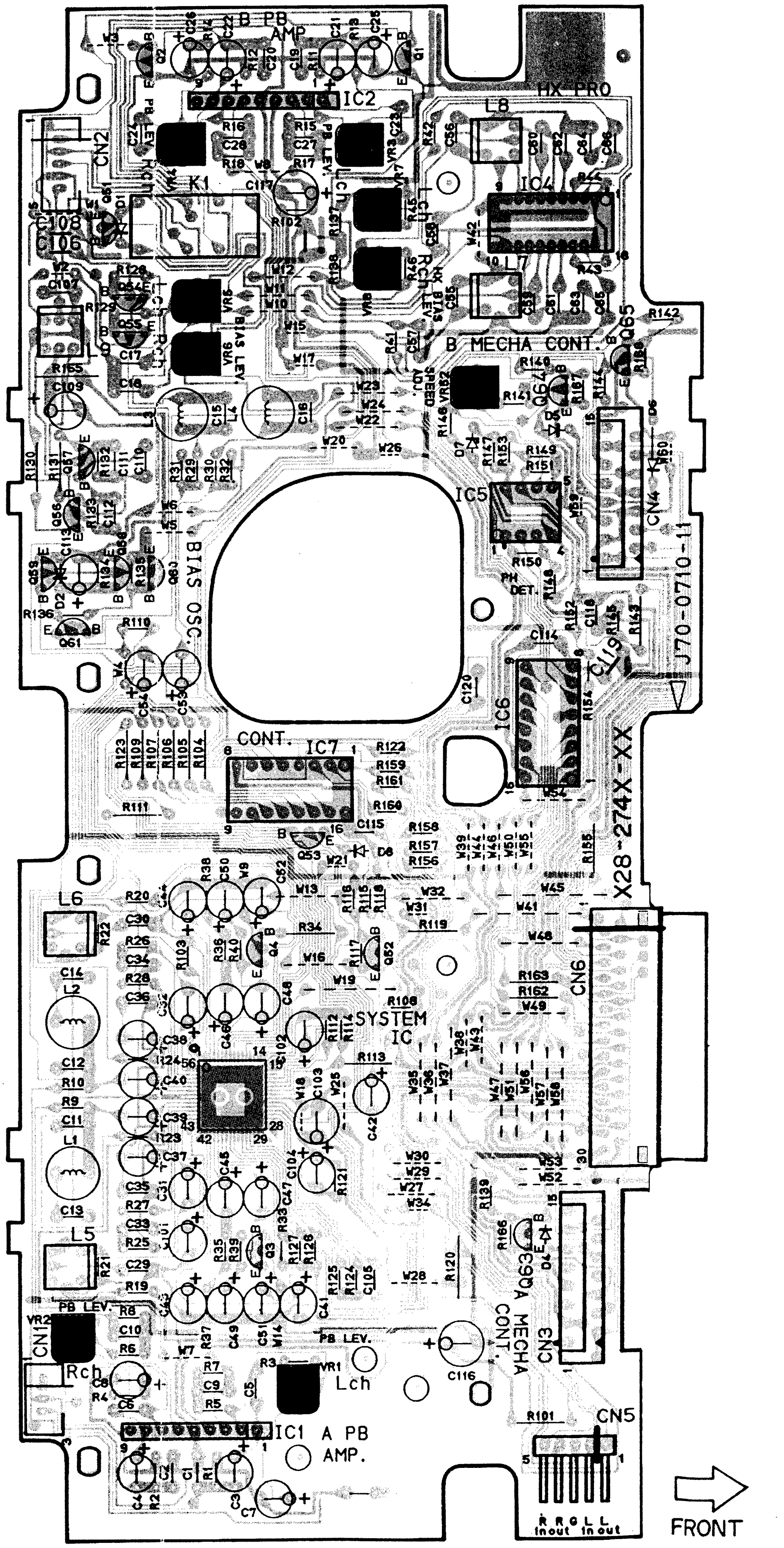

X11-3600-00
J70-0719-21
IC1
IC2
IC3
IC5
IC6
WH1
WH2
X1
STB
CLK
DATA


X08 B/2
WH3
F8.F9
T1.6A L
250V
F9
F8
CN5
CN4

SURROUND UNIT (X08-267X-XX) : RXD-F4/F4L/F42

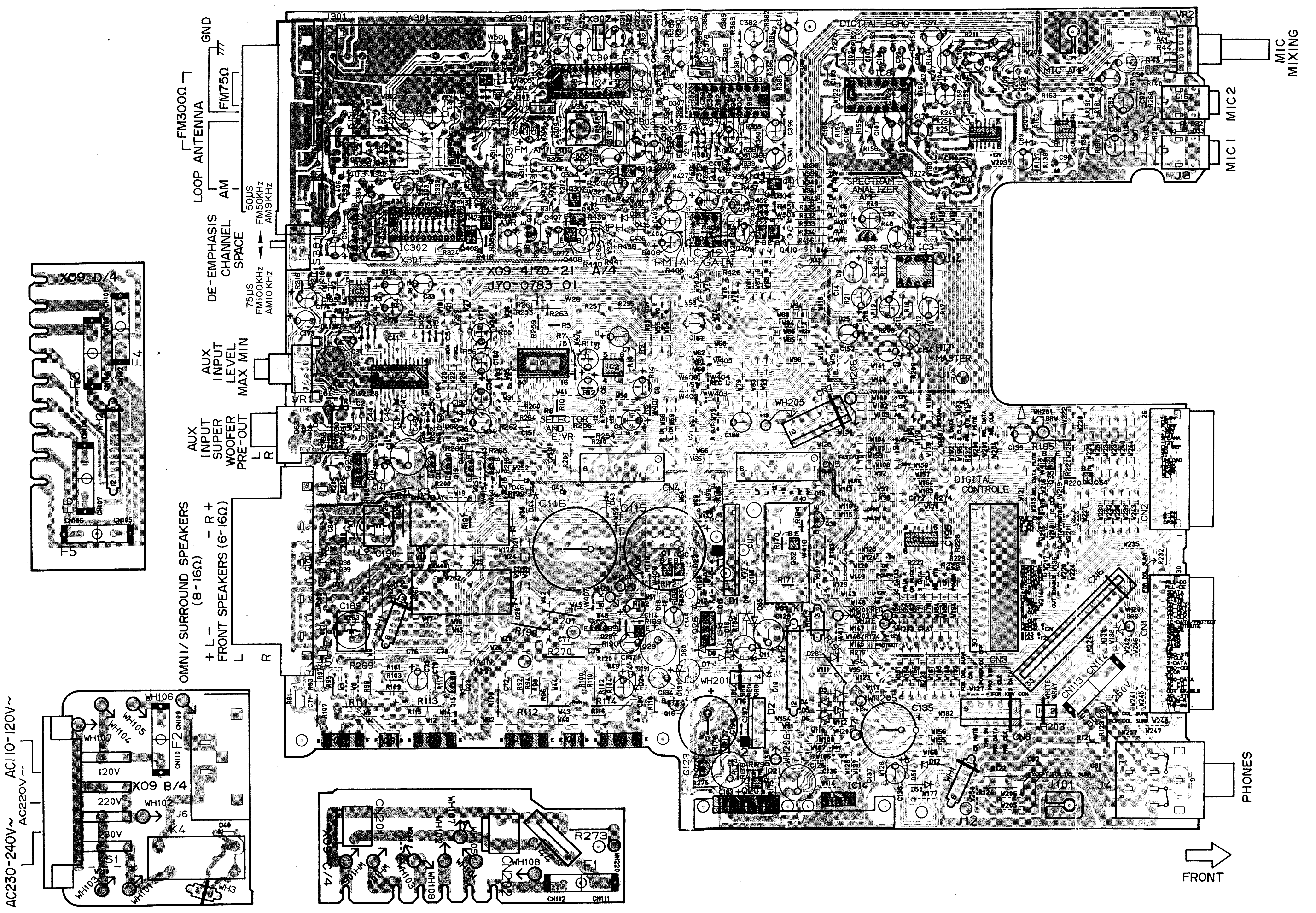

CENTER
SPEAKER
(8-16Ω)
C
R
L
− +
X08-2672-70 A/2
J70-0693-21
K2
K1
D5
C79
C78
R33
R34
WH1
WH2
WH3
IC1
IC2
IC3
IC4
IC5
IC6
IC7
J1
MAIN AMP
E.VOL
DOLBY PRO-LOGIC
+9V A.V.R
Q4
L R
TEST POINT
C S
TEST POINT
C_ch
GND
S_ch
CLK
DT
STB
MUTE DRIVE
X1

RECORD / PLAY BACK UNIT (X28-)


B PB AMP
IC2
HX-PRO
L8
IC4
K1
CN2
B MECHA CONT.
BIAS OSC
IC5
CN4
J70-0710-11
PH DET.
IC6
IC7
CONT.
X28-274X-XX
CN6
L6
L2
L1
L5
SYSTEM IC
14
15
28
29
42
56
1
CN3
A MECHA CONT.
PB LEV.
VR2
CN1
Rch
VR1
Lch
IC1 A PB AMP.
CN5
R R G L L
Inout Inout
FRONT

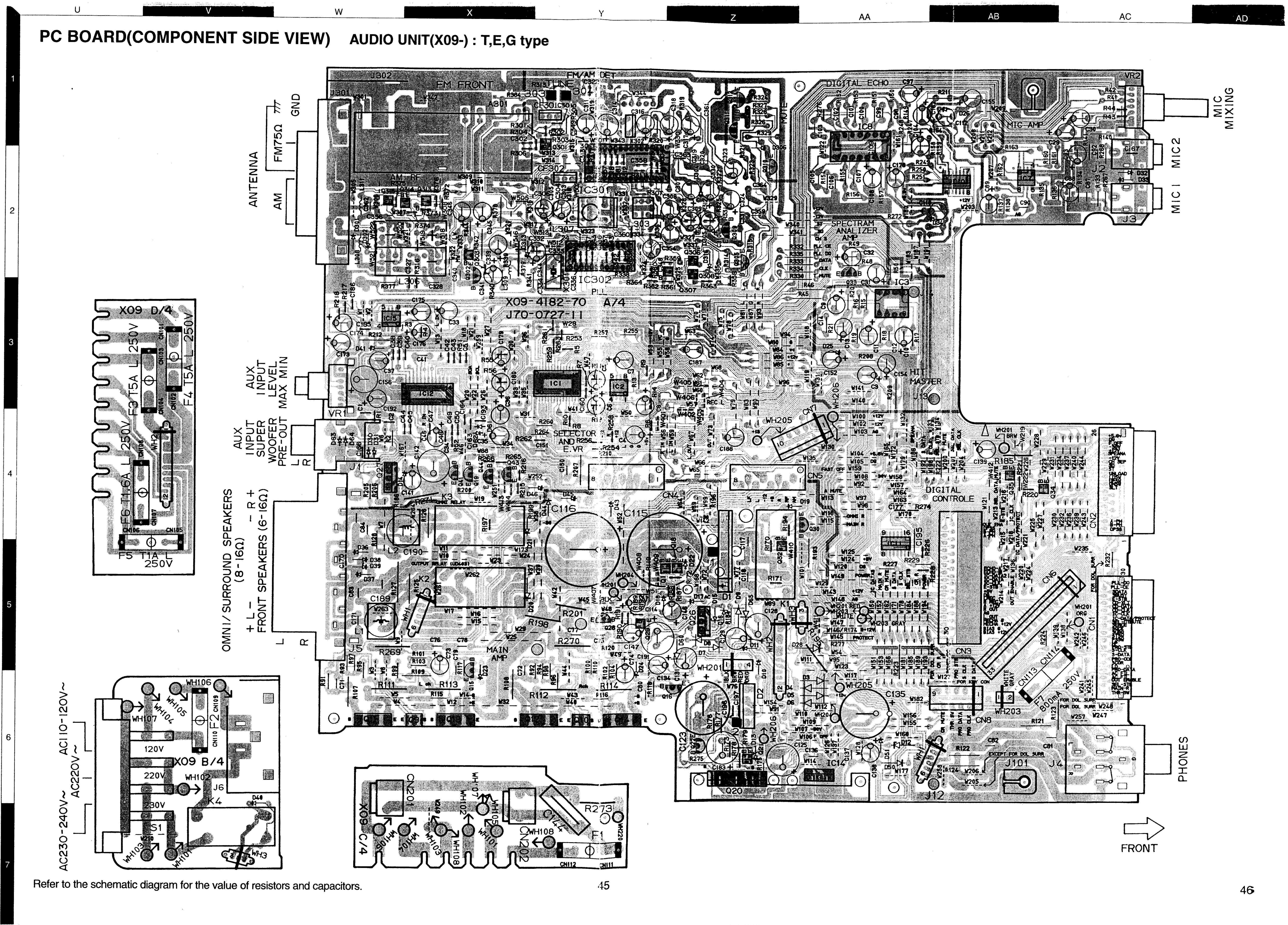
Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD(COMPONENT SIDE VIEW) AUDIO UNIT(X09-) : K,R,P,Y,M,X type


GND
FM300Ω
FM75Ω
LOOP ANTENNA
AM
50µS FM50KHz AM9KHz
DE-EMPHASIS CHANNEL SPACE
75µS FM100KHz AM10KHz
AUX INPUT LEVEL MAX MIN
AUX INPUT SUPER WOOFER PRE-OUT
L R
OMNI / SURROUND SPEAKERS (8-16Ω)
+ L - - R +
FRONT SPEAKERS (6-16Ω)
L R
X09-4170-21 A/4
J70-0783-01
DIGITAL ECHO
MIC AMP
SPECTRAM ANALIZER AMP
FM/AM GAIN
SELECTOR AND E.VR
HIT MASTER
DIGITAL CONTROLE
MAIN AMP
MIC MIXING
MIC 2
MIC 1
PHONES
FRONT
X09 D/4
X09 B/4
X09 C/4
AC110-120V~
AC220V~
AC230-240V~
120V
220V
230V
250V 800mA

Refer to the schematic diagram for the value of resistors and capacitors.

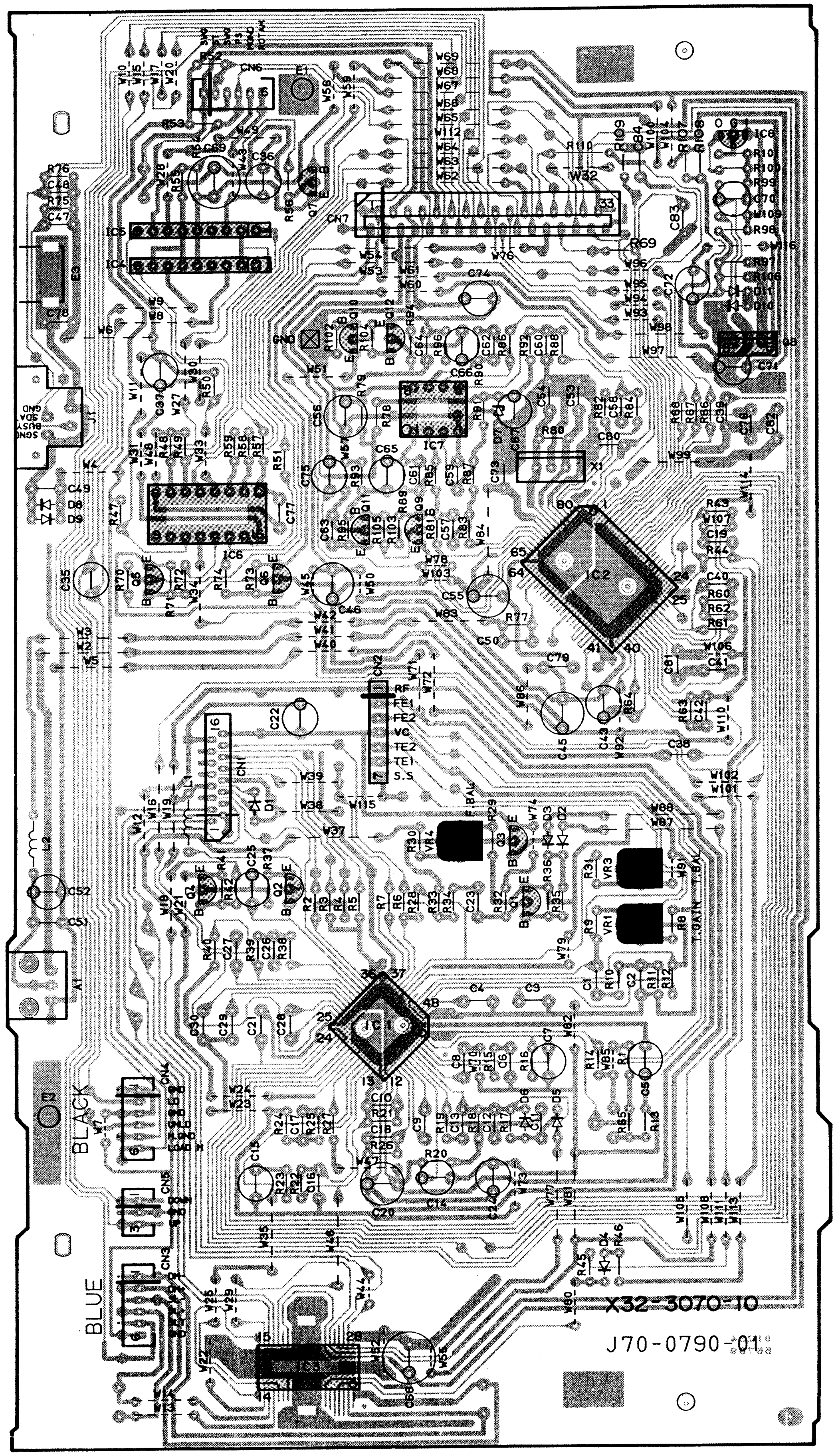
PC BOARD(COMPONENT SIDE VIEW) AUDIO UNIT(X09-) : T,E,G type


U
V
W
X
Y
Z
AA
AB
AC
AD
1
2
3
4
5
6
7
ANTENNA
FM75Ω
GND
AM
J301
J302
FM FRONT
FM/AM DET
TUNE
AM RF
IC301
IC302
PLL
X09-4182-70 A/4
J70-0727-11
DIGITAL ECHO
IC8
MIC AMP
VR2
MIC MIXING
MIC 2
MIC 1
J2
J3
SPECTRAM ANALIZER AMP
IC3
HIT MASTER
J13
AUX INPUT LEVEL MAX MIN
VR1
AUX INPUT SUPER WOOFER PRE-OUT
L R
IC2
IC1
IC12
IC5
SELECTOR AND E.VR
OMNI/SURROUND SPEAKERS (8-16Ω)
+ L - - R +
FRONT SPEAKERS (6-16Ω)
L R
J5
K3
K2
K1
MAIN AMP
C116
C115
CN4
CN5
CN7
CN6
CN3
CN8
CN1
CN2
DIGITAL CONTROLE
WH205
WH201
WH203
CN113
CN114
F7 800mA 250V
J101
J4
J12
IC14
Q20
PHONES
FRONT
X09 D/4
F3 T5A L 250V
F4 T5A L 250V
F6 T1.6A L 250V
F5 T1A L 250V
WH2
CN101
CN102
CN103
CN104
CN105
CN106
CN107
X09 B/4
AC110-120V~
AC220V~
AC230-240V~
120V
220V
230V
S1
K4
J6
F2
WH102
WH103
WH104
WH105
WH106
WH107
WH3
X09 C/4
CN201
CN202
R273
F1
C174
WH101
WH102
WH103
WH105
WH108
CN111
CN112

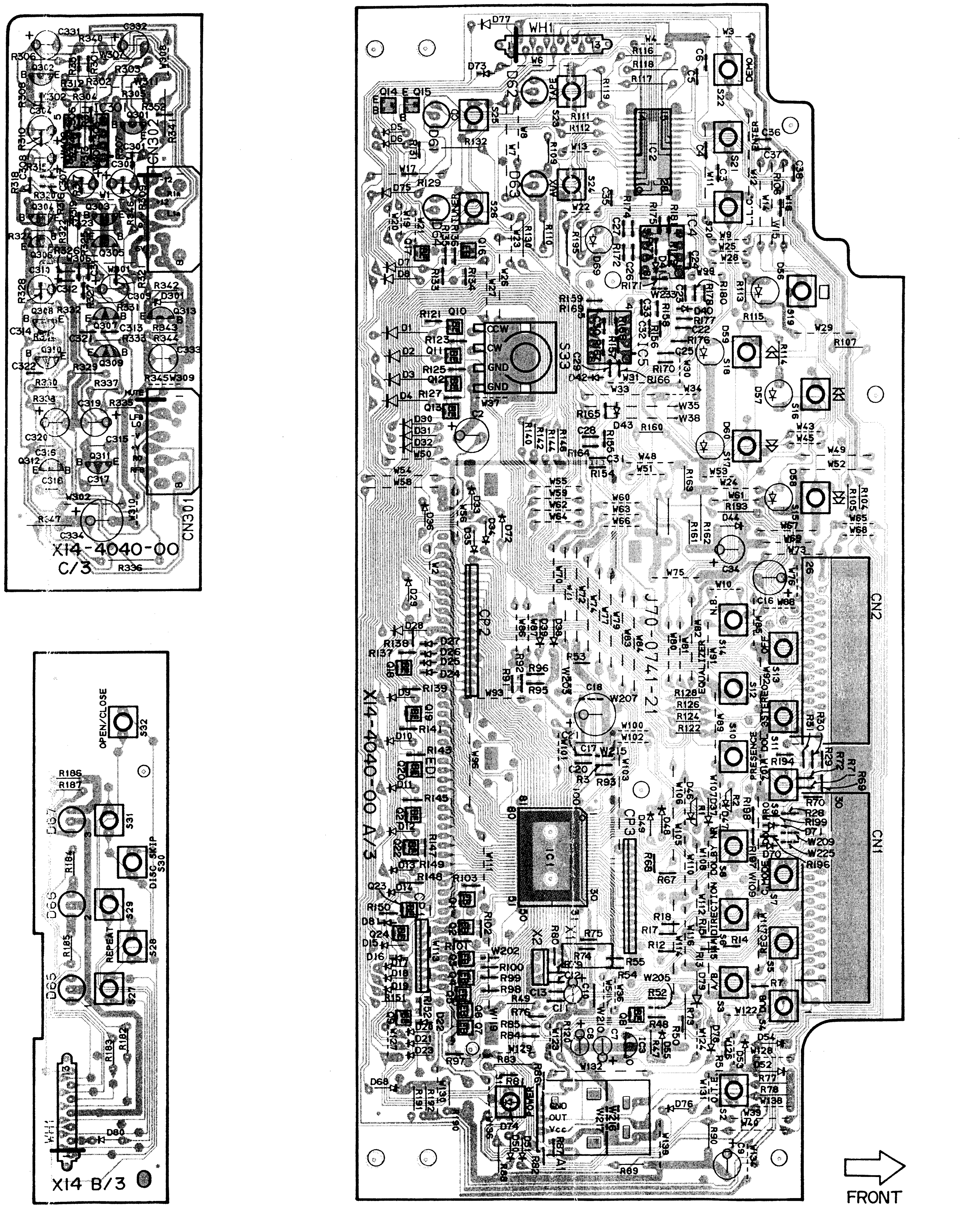
Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD(COMPONENT SIDE VIEW)

CD PLAYER UNIT(X32-)

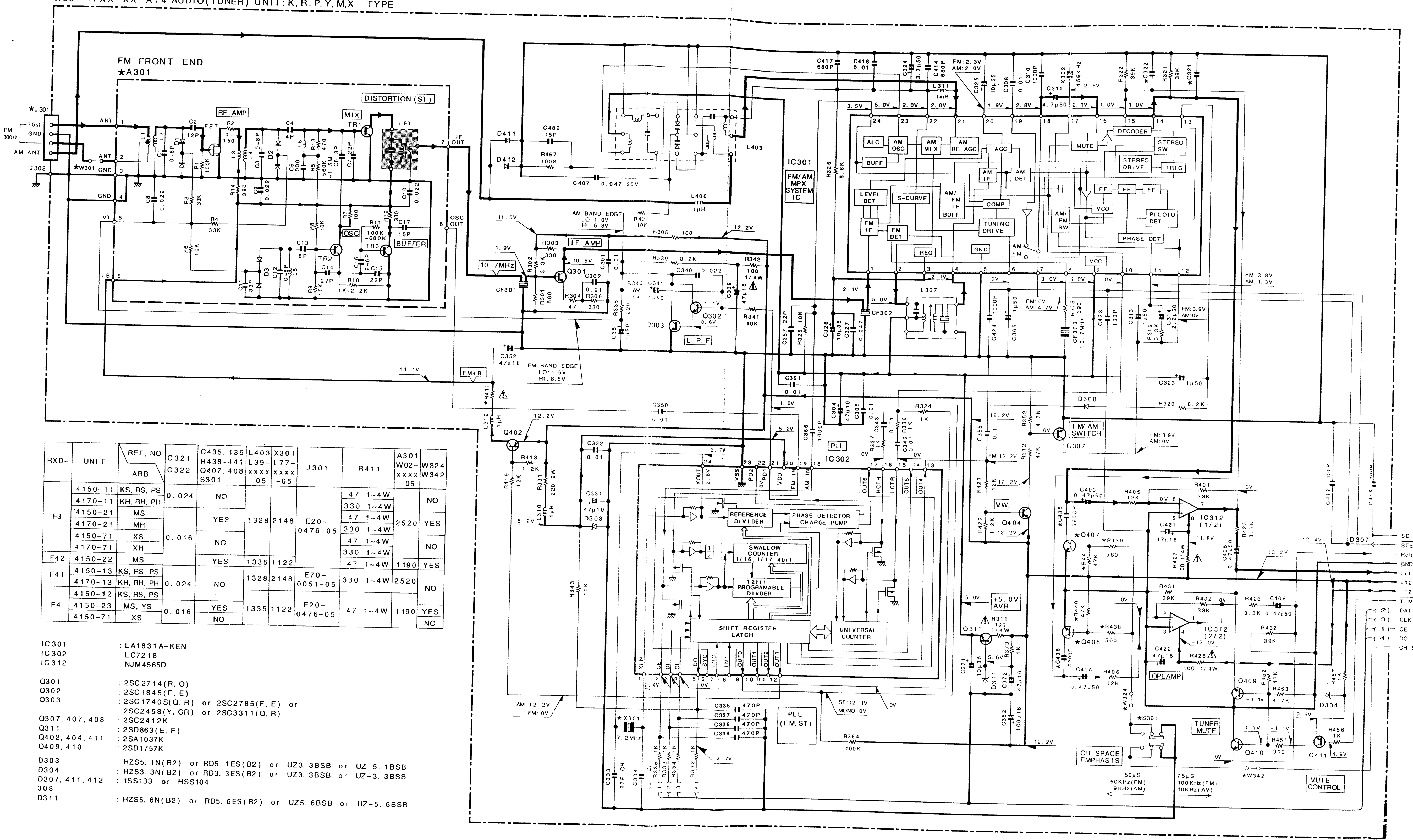

X32-3070-10
J70-0790-01
BLACK
BLUE
CN7
IC1
IC2
IC6
IC7

DISPLAY UNIT(X14-)


X14-4040-00
C/3
CN301
OPEN/CLOSE
DISC SKIP
REPEAT
X14 B/3
X14-4040-00 A/3
J70-0741-21
S33
IC1
CN1
CN2
FRONT

Refer to the schematic diagram for the value of resistors and capacitors.

X09-41XX-XX A/4 AUDIO(TUNER) UNIT: K, R, P, Y, M, X TYPE


A
B
C
D
E
F
G
H
I
1
2
3
4
5
6
7
FM FRONT END
★A301
★J301
J302
FM 300Ω
75Ω
GND
AM ANT
ANT
★W301
RF AMP
MIX
DISTORTION (ST)
FET
TR1
TR2
TR3
IFT
IF OUT
OSC OUT
OSC
BUFFER
VT
+B
10.7MHz
CF301
IF AMP
Q301
Q302
Q303
L.P.F
CF302
L307
L406
L403
D411
D412
C482
C407 0.047 25V
AM BAND EDGE LO: 1.0V HI: 6.8V
FM BAND EDGE LO: 1.5V HI: 8.5V
FM+B
IC301
FM/AM MPX SYSTEM IC
ALC
AM OSC
AM MIX
AM RF. AGC
AGC
BUFF
LEVEL DET
S-CURVE
FM IF
FM DET
AM/FM IF BUFF
AM IF
AM DET
COMP
TUNING DRIVE
REG
GND
AM/FM SW
VCO
FF
PILOTO DET
PHASE DET
VCC
MUTE
DECODER
STEREO SW
STEREO DRIVE
TRIG
X302 456kHz
FM: 2.3V AM: 2.0V
FM: 3.8V AM: 1.3V
FM: 3.9V AM: 0V
IC302
PLL
REFERENCE DIVIDER
PHASE DETECTOR CHARGE PUMP
SWALLOW COUNTER 1/16, 1/17 4bit
12bit PROGRAMABLE DIVIDER
SHIFT REGISTER LATCH
UNIVERSAL COUNTER
XOUT
VSS
PD2
PD1
VDD
FM IN
AM IN
OUT6
HCTR
LCTR
OUT5
OUT4
XIN
CE
DI
CL
DO
SYC
IN1
OUT0
OUT1
OUT2
OUT3
★X301 7.2MHz
PLL (FM.ST)
AM: 12.2V FM: 0V
ST: 12.1V MONO: 0V
FM/AM SWITCH
Q307
MW
Q404
Q402
+5.0V AVR
Q311
IC312 (1/2)
IC312 (2/2)
OPEAMP
Q407
Q408
Q409
Q410
Q411
D304
D307
D308
★S301
CH SPACE EMPHASIS
TUNER MUTE
MUTE CONTROL
★W342
★W324
50μS 50KHz (FM) 9KHz (AM)
75μS 100KHz (FM) 10KHz (AM)
SD
STEREO
Rch
GND
Lch
+12V
-12V
T. MUTE
DATA
CLK
CE
DO
CH SPACE

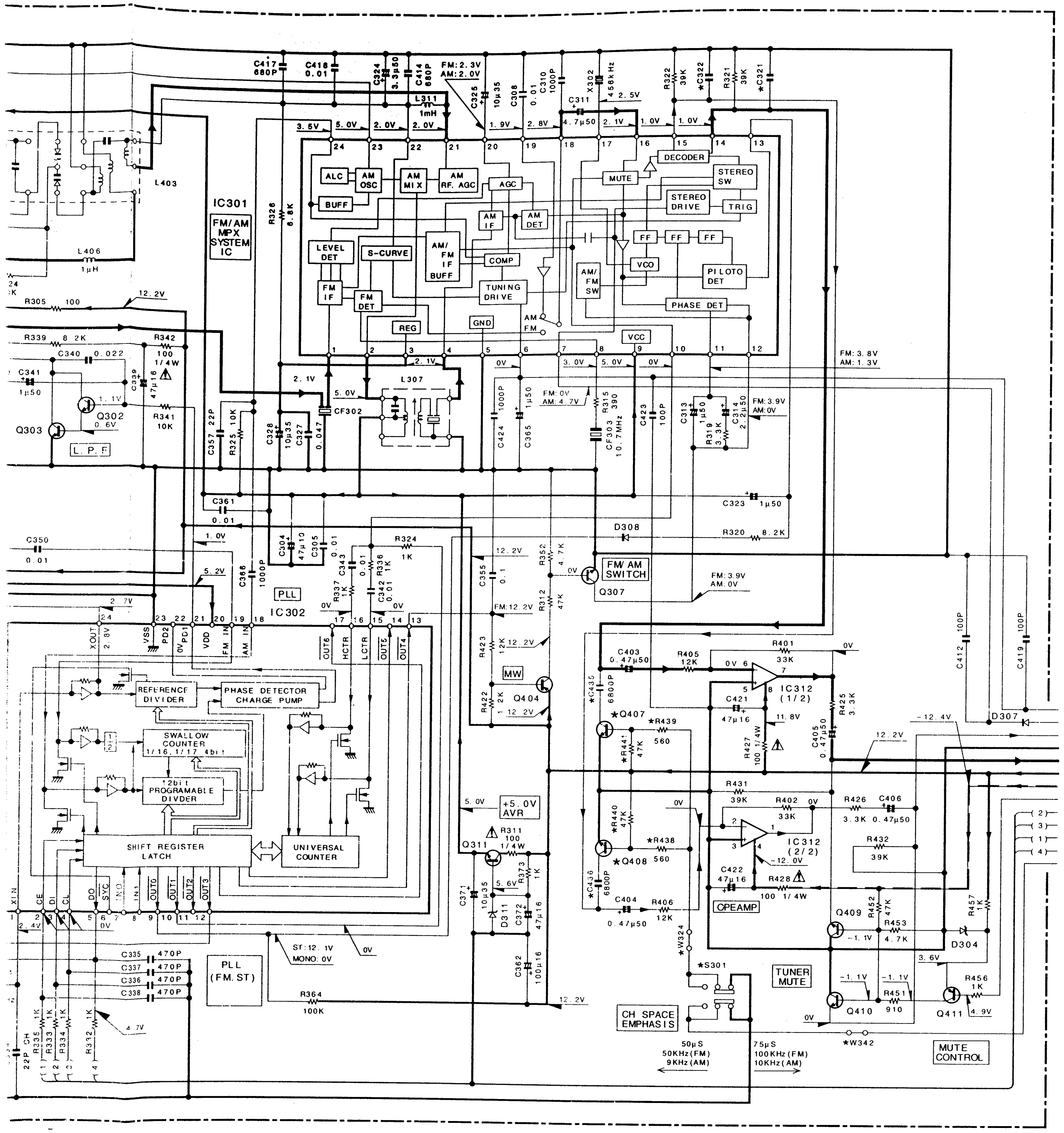
RXD-	UNIT	REF, NO ABB	C321, C322	C435, 436 R438~441 Q407, 408 S301	L403 L39- xxxx -05	X301 L77- xxxx -05	J301	R411	A301 W02- xxxx -05	W324 W342
F3	4150-11	KS, RS, PS	0.024	NO	1328	2148	E20-0476-05	47 1~4W	2520	NO
	4170-11	KH, RH, PH						330 1~4W		
	4150-21	MS	0.016	YES				47 1~4W		YES
	4170-21	MH						330 1~4W		
	4150-71	XS		NO				47 1~4W		NO
	4170-71	XH						330 1~4W		
F42	4150-22	MS		YES	1335	1122		47 1~4W	1190	YES
F41	4150-13	KS, RS, PS	0.024	NO	1328	2148	E70-0051-05	330 1~4W	2520	NO
	4170-13	KH, RH, PH								
F4	4150-12	KS, RS, PS			1335	1122	E20-0476-05	47 1~4W	1190	
	4150-23	MS, YS	0.016	YES						YES
	4150-71	XS		NO						NO

IC301	: LA1831A-KEN
IC302	: LC7218
IC312	: NJM4565D
Q301	: 2SC2714(R, O)
Q302	: 2SC1845(F, E)
Q303	: 2SC1740S(Q, R) or 2SC2785(F, E) or 2SC2458(Y, GR) or 2SC3311(Q, R)
Q307, 407, 408	: 2SC2412K
Q311	: 2SD863(E, F)
Q402, 404, 411	: 2SA1037K
Q409, 410	: 2SD1757K
D303	: HZS5. 1N(B2) or RD5. 1ES(B2) or UZ3. 3BSB or UZ-5. 1BSB
D304	: HZS3. 3N(B2) or RD3. 3ES(B2) or UZ3. 3BSB or UZ-3. 3BSB
D307, 411, 412 308	: 1SS133 or HSS104
D311	: HZS5. 6N(B2) or RD5. 6ES(B2) or UZ5. 6BSB or UZ-5. 6BSB

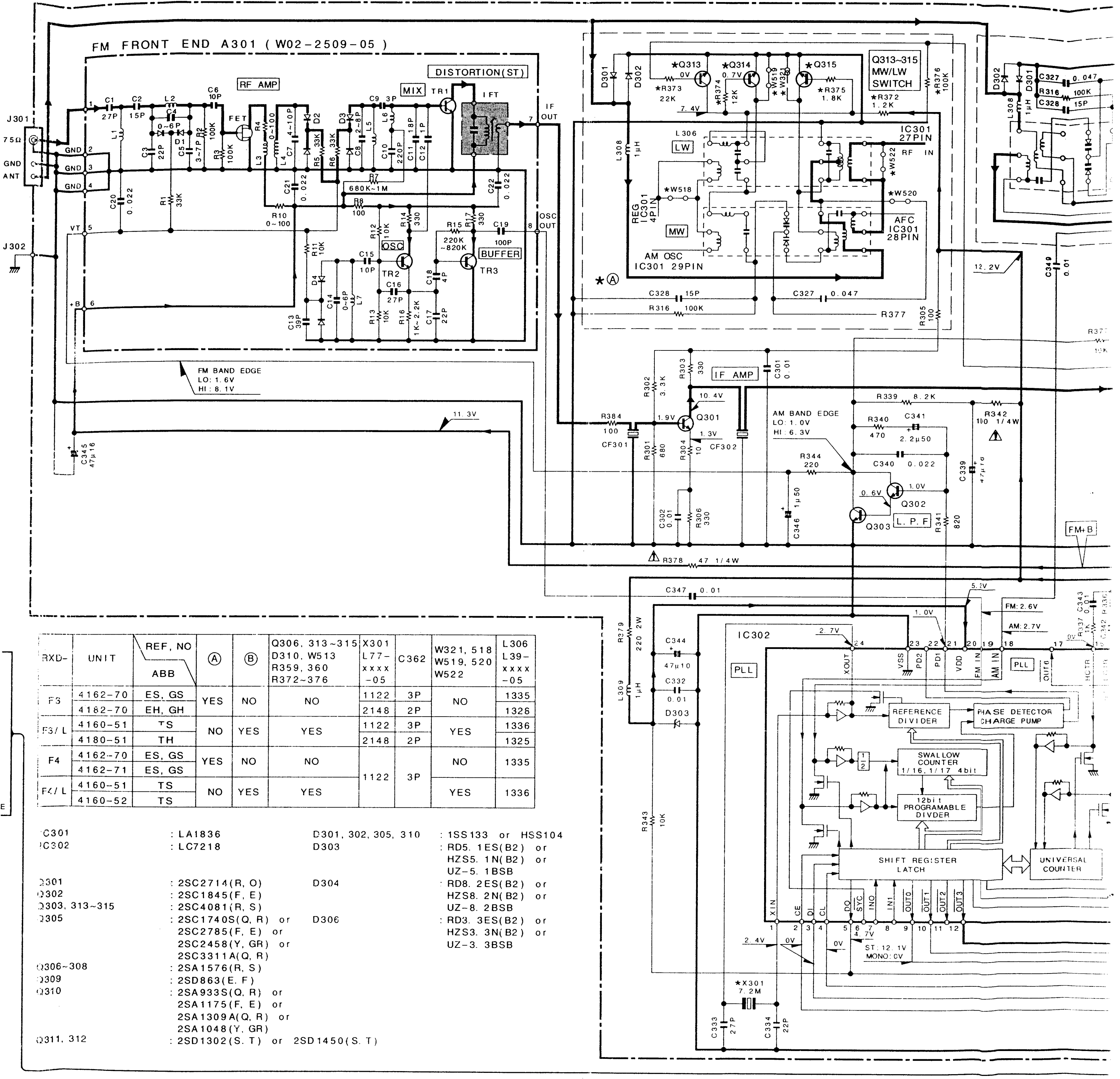
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

(NOTE) The DC voltage is an actual reading measured with a high impedance type voltmeter as the AM/FM signal generator is specified to the conditions as shown in the list below.
The measurement value may vary depending on the measuring instruments used or on the product. the value shown in ( ) is actual reading measured in the AM mode.

MODE	CARRIER	MODULATION		ANT INPUT
		FREQUENCY	DEVIATION	
FM	98MHz	1KHz	STEREO 67.5KHz 7.5KHz(Pilot)	60dB
AM	1000(999)KHz	400Hz	MONO 30% MOD	60dB


E
F
G
H
I
IC301
FM/AM MPX SYSTEM IC
ALC
AM OSC
AM MIX
AM RF. AGC
AGC
BUFF
DECODER
STEREO SW
MUTE
STEREO DRIVE
TRIG
LEVEL DET
S-CURVE
AM/FM IF BUFF
COMP
FM IF
FM DET
TUNING DRIVE
AM/FM SW
VCO
PILOTO DET
PHASE DET
REG
GND
VCC
FM: 2.3V
AM: 2.0V
FM: 3.8V
AM: 1.3V
L403
L406
L307
CF302
CF303
10.7MHz
Q303
L.P.F
Q302
Q307
FM/AM SWITCH
PLL
IC302
REFERENCE DIVIDER
PHASE DETECTOR CHARGE PUMP
SWALLOW COUNTER 1/16, 1/17 4bit
12bit PROGRAMABLE DIVIDER
SHIFT REGISTER LATCH
UNIVERSAL COUNTER
PLL (FM.ST)
+5.0V AVR
Q311
Q404
MW
Q407
Q408
IC312 (1/2)
IC312 (2/2)
OPEAMP
Q409
Q410
Q411
TUNER MUTE
MUTE CONTROL
CH SPACE EMPHASIS
S301
50μS 50KHz(FM) 9KHz(AM)
75μS 100KHz(FM) 10KHz(AM)
D307
D304
SD
STEREO
Rch
GND
Lch
+12V
-12V
T. MUTE
DATA
CLK
CE
DO
CH SPACE

X09-41XX-XX A/4 AUDIO (TUNER) UNIT: T, E, G, TYPE


J
K
L
M
N
O
FM FRONT END A301 (W02-2509-05)
J301
FM 75Ω
GND
AM ANT
J302
RF AMP
FET
MIX
TR1
DISTORTION(ST)
IFT
IF OUT
OSC
TR2
BUFFER
TR3
OSC OUT
FM BAND EDGE
LO: 1.6V
HI: 8.1V
Q313
Q314
Q315
Q313~315 MW/LW SWITCH
LW
MW
REG IC301 4PIN
AM OSC IC301 29PIN
IC301 27PIN RF IN
AFC IC301 28PIN
IF AMP
Q301
CF301
CF302
AM BAND EDGE
LO: 1.0V
HI: 6.3V
Q302
Q303
L.P.F
FM+B
IC302
PLL
REFERENCE DIVIDER
PHASE DETECTOR CHARGE PUMP
SWALLOW COUNTER 1/16, 1/17 4bit
12bit PROGRAMABLE DIVIDER
SHIFT REGISTER LATCH
UNIVERSAL COUNTER
X301 7.2M
ST: 12.1V
MONO: 0V

RXD-	UNIT	REF, NO / ABB	Ⓐ	Ⓑ	Q306, 313~315 D310, W513 R359, 360 R372~376	X301 L77- xxxx -05	C362	W321, 518 W519, 520 W522	L306 L39- xxxx -05
F3	4162-70	ES, GS	YES	NO	NO	1122	3P	NO	1335
	4182-70	EH, GH				2148	2P		1328
F3/L	4160-51	TS	NO	YES	YES	1122	3P	YES	1336
	4180-51	TH				2148	2P		1325
F4	4162-70	ES, GS	YES	NO	NO	1122	3P	NO	1335
	4162-71	ES, GS							
F4/L	4160-51	TS	NO	YES	YES			YES	1336
	4160-52	TS							

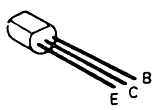
C301	: LA1836	D301, 302, 305, 310	: 1SS133 or HSS104
C302	: LC7218	D303	: RD5. 1ES(B2) or HZS5. 1N(B2) or UZ-5. 1BSB
Q301	: 2SC2714(R, O)	D304	: RD8. 2ES(B2) or HZS8. 2N(B2) or UZ-8. 2BSB
Q302	: 2SC1845(F, E)		
Q303, 313~315	: 2SC4081(R, S)		
Q305	: 2SC1740S(Q, R) or 2SC2785(F, E) or 2SC2458(Y, GR) or 2SC3311A(Q, R)	D306	: RD3. 3ES(B2) or HZS3. 3N(B2) or UZ-3. 3BSB
Q306~308	: 2SA1576(R, S)		
Q309	: 2SD863(E. F)		
Q310	: 2SA933S(Q, R) or 2SA1175(F, E) or 2SA1309A(Q, R) or 2SA1048(Y, GR)		
Q311, 312	: 2SD1302(S. T) or 2SD1450(S. T)		

easured with a high impedance
s specified to the conditions as

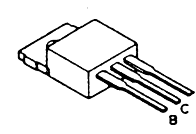
n the measuring instruments
is actual reading measured in

MODE	CARRIER	MODULATION		ANT INPUT
		FREQUENCY	DEVIATION	
FM	98MHz	1KHz	STEREO 67.5KHz 7.5KHz(Pilot)	60dB
AM	1000(999)KHz	400Hz	MONO 30% MOD	60dB

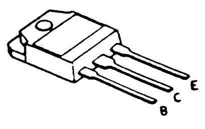
2SA1534A
2SA954
2SA992
2SC1845
2SC1923
2SC2003
2SC2878
2SC3246
2SC3940A
2SD1302
2SD863



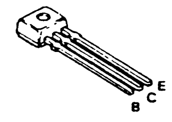
2SB1565



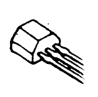
2SB1565
2SB1624
2SD2493

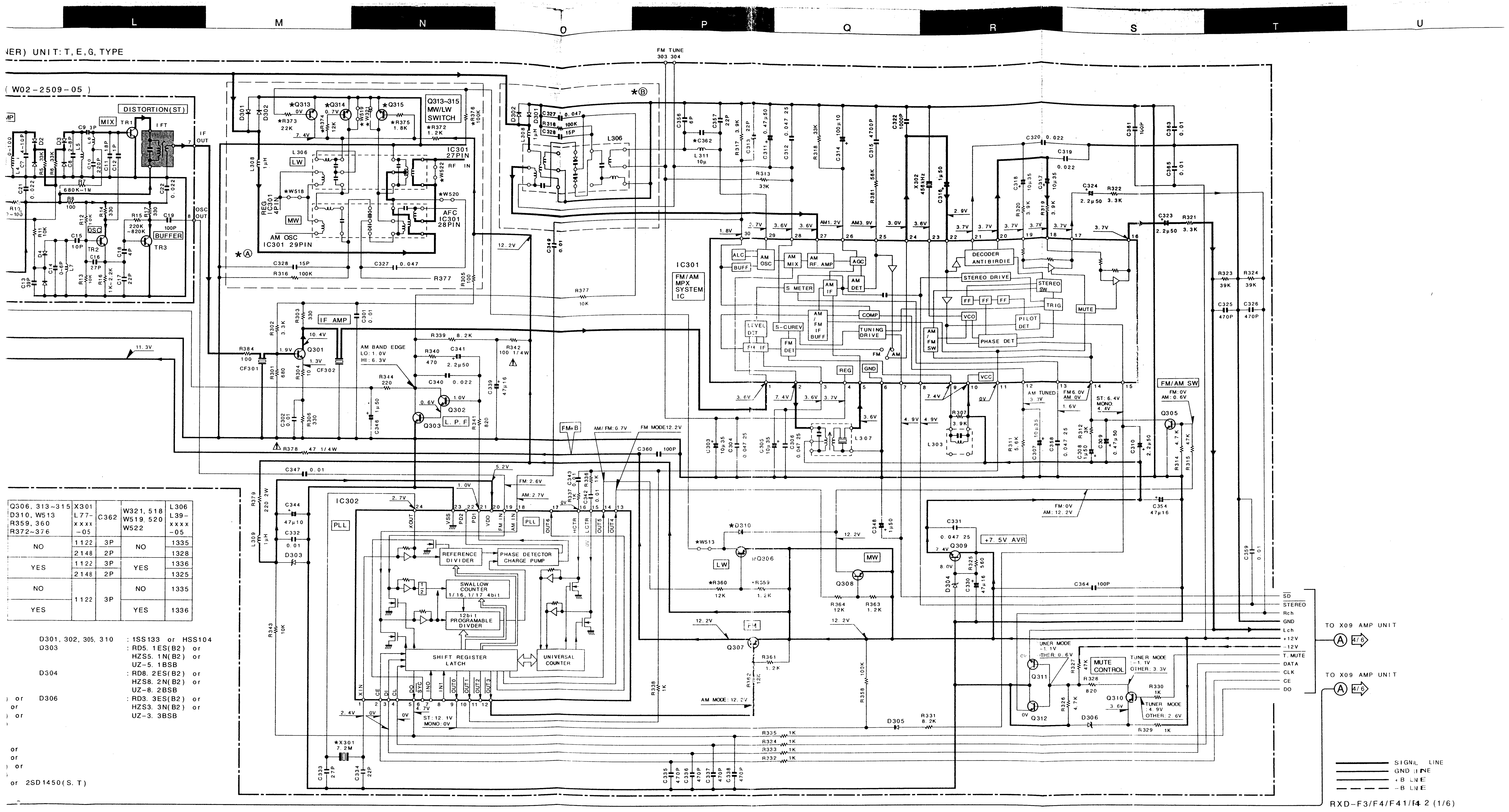


2SA1175
2SC2785



DTA124ES
DTC124ES
UN4112
2SA1048
2SA933S
2SC1740S
2SC2458




L
M
N
O
P
Q
R
S
T
U
NER) UNIT: T, E, G, TYPE
(W02-2509-05)
FM TUNE 303 304
DISTORTION(ST)
MIX
TR1
IFT
IF OUT
OSC OUT
OSC
TR2
BUFFER
TR3
680K~1M
220K ~820K
Q313-315 MW/LW SWITCH
IC301 27PIN
RF IN
REG IC301 4PIN
IC301 28PIN
AFC
AM OSC IC301 29PIN
LW
MW
L306
L308
L311 10μ
X302 456kHz
IC301
FM/AM MPX SYSTEM IC
ALC
BUFF
AM OSC
AM MIX
AM RF. AMP
AGC
S METER
AM IF
AM DET
DECODER ANTIBIRDIE
STEREO DRIVE
STEREO SW
TRIG
MUTE
FF
VCO
PILOT DET
PHASE DET
LEVEL DET
S-CURVE
FM DET
FM IF
AM / FM IF BUFF
COMP
TUNING DRIVE
AM / FM SW
REG
GND
VCC
FM/AM SW
FM: 0V
AM: 0.6V
IF AMP
Q301
CF301
CF302
AM BAND EDGE
LO: 1.0V
HI: 6.3V
Q302
Q303
L.P.F
FM+B
AM/FM: 0.7V
FM MODE 12.2V
R378 47 1/4W
IC302
PLL
REFERENCE DIVIDER
PHASE DETECTOR CHARGE PUMP
SWALLOW COUNTER 1/16, 1/17 4bit
12bit PROGRAMABLE DIVIDER
SHIFT REGISTER LATCH
UNIVERSAL COUNTER
XOUT
VSS
PD2
PD1
VDD
FM IN
AM IN
OUT6
HCTR
LCTR
OUT5
OUT4
XIN
CE
DI
CL
DO
SYC
IN0
IN1
OUT0
OUT1
OUT2
OUT3
ST: 12.1V
MONO: 0V
X301 7.2M
Q306
Q307
Q308
Q309
+7.5V AVR
Q310
Q311
Q312
MUTE CONTROL
TUNER MODE
OTHER: 3.3V
AM MODE: 12.2V
SD
STEREO
Rch
GND
Lch
+12V
-12V
T. MUTE
DATA
CLK
CE
DO
TO X09 AMP UNIT
A 4/6
SIGNAL LINE
GND LINE
+B LINE
-B LINE
RXD-F3/F4/F41/F42 (1/6)

Q306, 313~315 D310, W513 R359, 360 R372~376	X301 L77-xxxx-05	C362	W321, 518 W519, 520 W522	L306 L39-xxxx-05
NO	1122	3P	NO	1335
	2148	2P		1328
YES	1122	3P	YES	1336
	2148	2P		1325
NO	1122	3P	NO	1335
YES			YES	1336

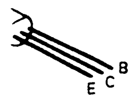
D301, 302, 305, 310 : 1SS133 or HSS104
D303 : RD5.1ES(B2) or HZS5.1N(B2) or UZ-5.1BSB
D304 : RD8.2ES(B2) or HZS8.2N(B2) or UZ-8.2BSB
D306 : RD3.3ES(B2) or HZS3.3N(B2) or UZ-3.3BSB

) or
or
) or

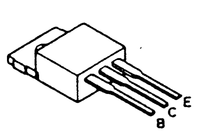
or
or
) or

or 2SD1450(S. T)

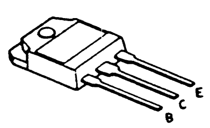
SC3246
SC3940A
SD1302
SD863



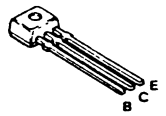
2SB1565



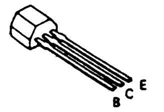
2SB1565
2SB1624
2SD2493



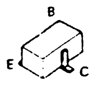
2SA1175
2SC2785



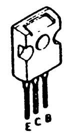
DTA124ES
DTC124ES
UN4112
2SA1048
2SA933S
2SC1740S
2SC2458



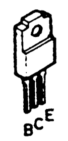
DTC124EU
2SA1037K
2SA1576
2SC2412K
2SC2714
2SC4081
2SD1757K



2SC4137



2SB1370
2SD2061



Y39-2130-11

RXD-F3/F4/F41/F42

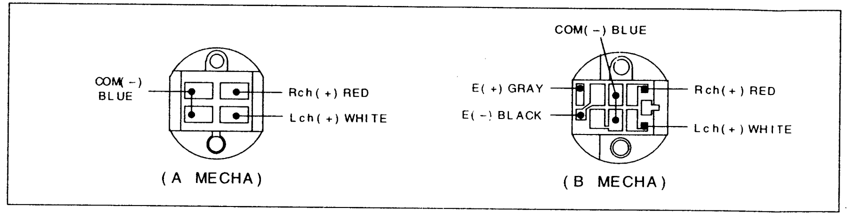
KENWOOD

MODEL NAME	X28-27	ABB
· F3	40-00	KW, RW, PW, MW, XW KS, RS, PS, MS, XS
F4, F41, F42		YW, MW, XW YS, MS, XS
F3	42-71	TW, EW, GW
F4, F41, F42		TS, ES, GS
F3	50-00	KH, RH, PH, MH, XH
	52-71	TH, EH, GH

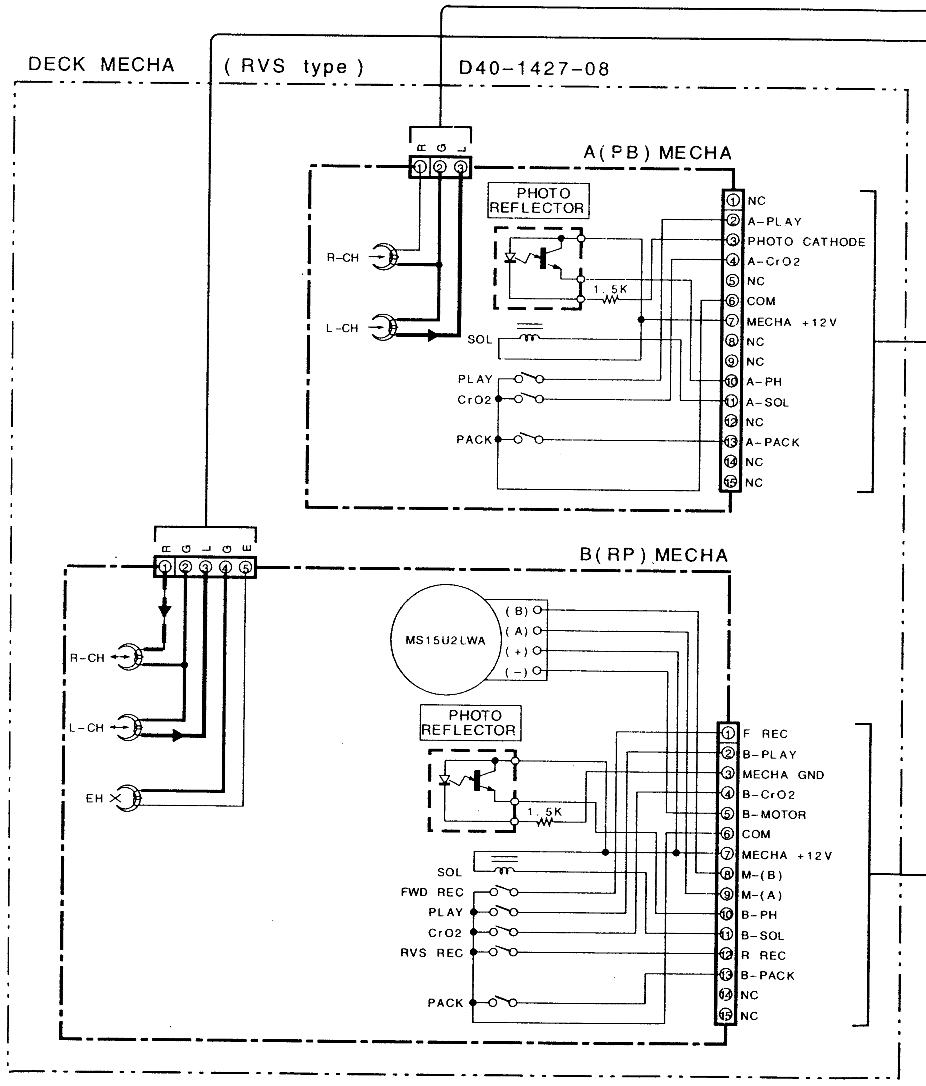
IC1, 2 : TA8125S
IC3 : HA12182F
IC4 : µPC1297CA
IC5 : BA10393
IC6, 7 : BU4094BC

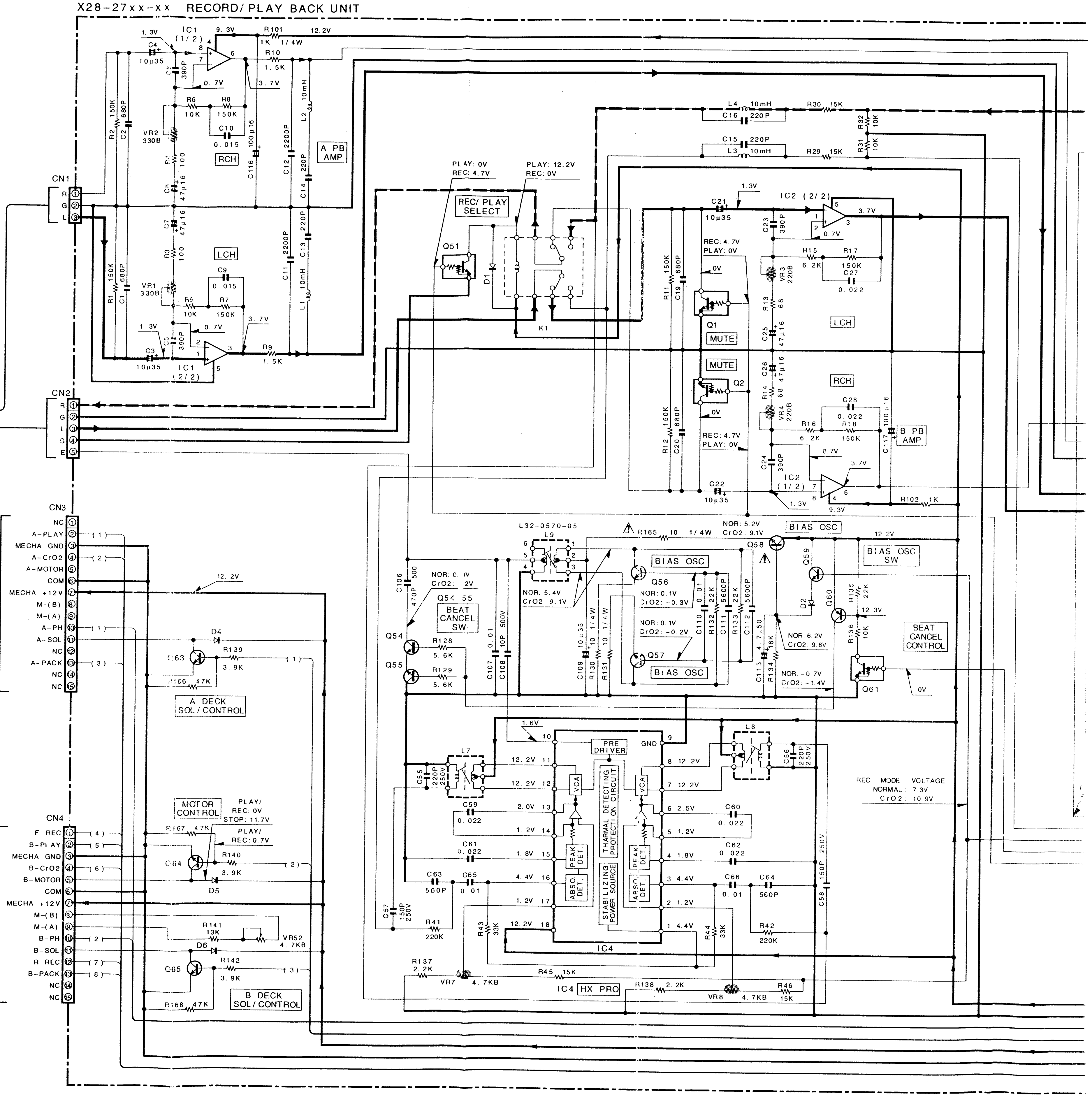
D1, 2, 4, 5, 6, 8 : 1SS133 or HSS104
D7 : UZ-2.7BSB or RD2.7ES(B2) or HZS2.7 (B2)

Q1, 2, 51, 61 : UN4212 or DTC124ES
Q3, 4 : 2SD1302(S, T) or 2SD1450 (S, T)
Q52, 56, 57, 59 : 2SC2785(F, E) or 2SC3311A(Q, R) or 2SC1740S(Q, R) or 2SC2458(Y, GR)
Q53 : UN4112 or DTA124ES
Q54, 55 : 2SC1845(F, E)
Q58 : 2SC3940A(R, S)
Q60 : 2SA992(F, E)
Q63~65 : 2SC3246

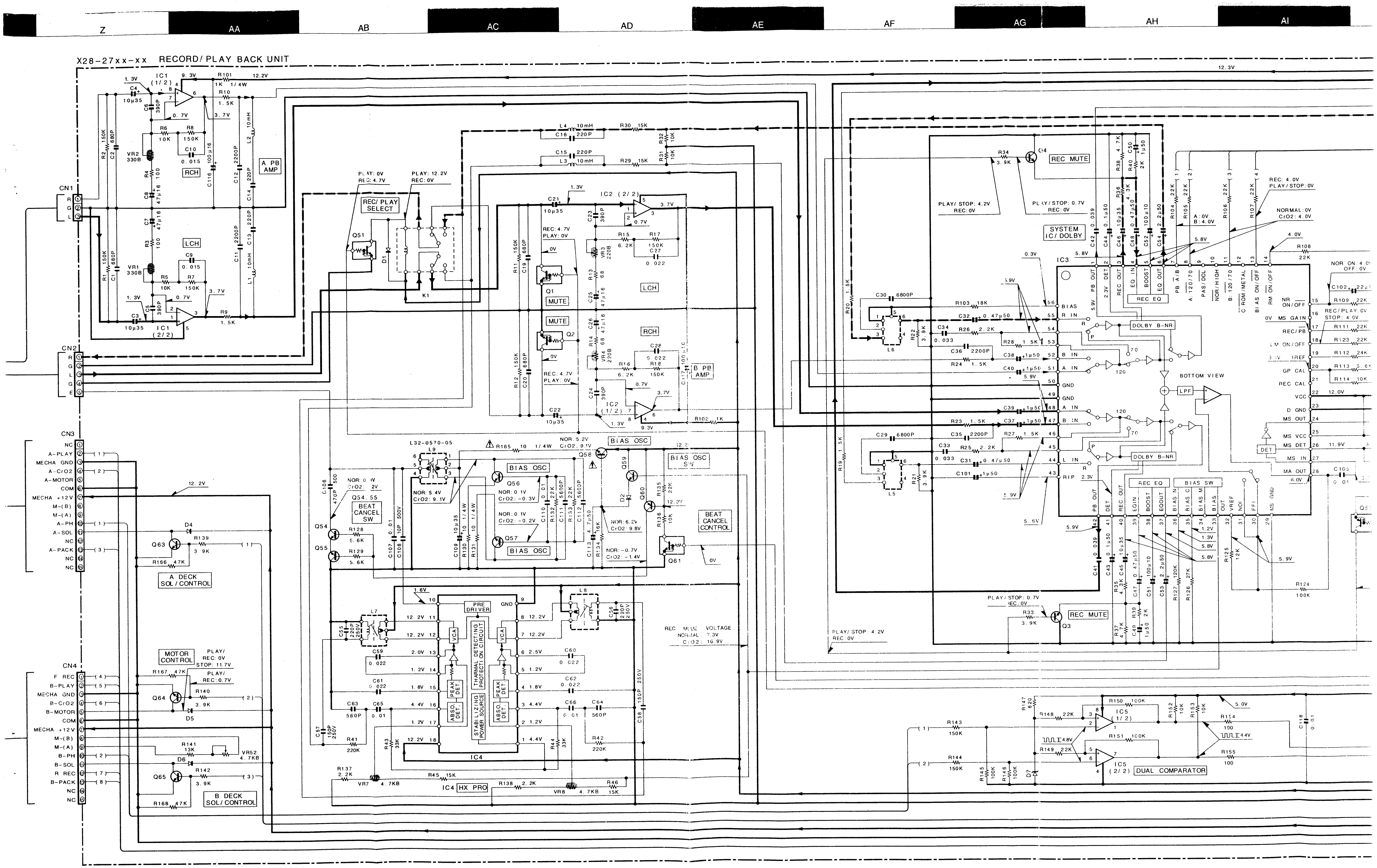

COM(-) BLUE
Rch(+) RED
Lch(+) WHITE
(A MECHA)
COM(-) BLUE
E(+) GRAY
E(-) BLACK
Rch(+) RED
Lch(+) WHITE
(B MECHA)

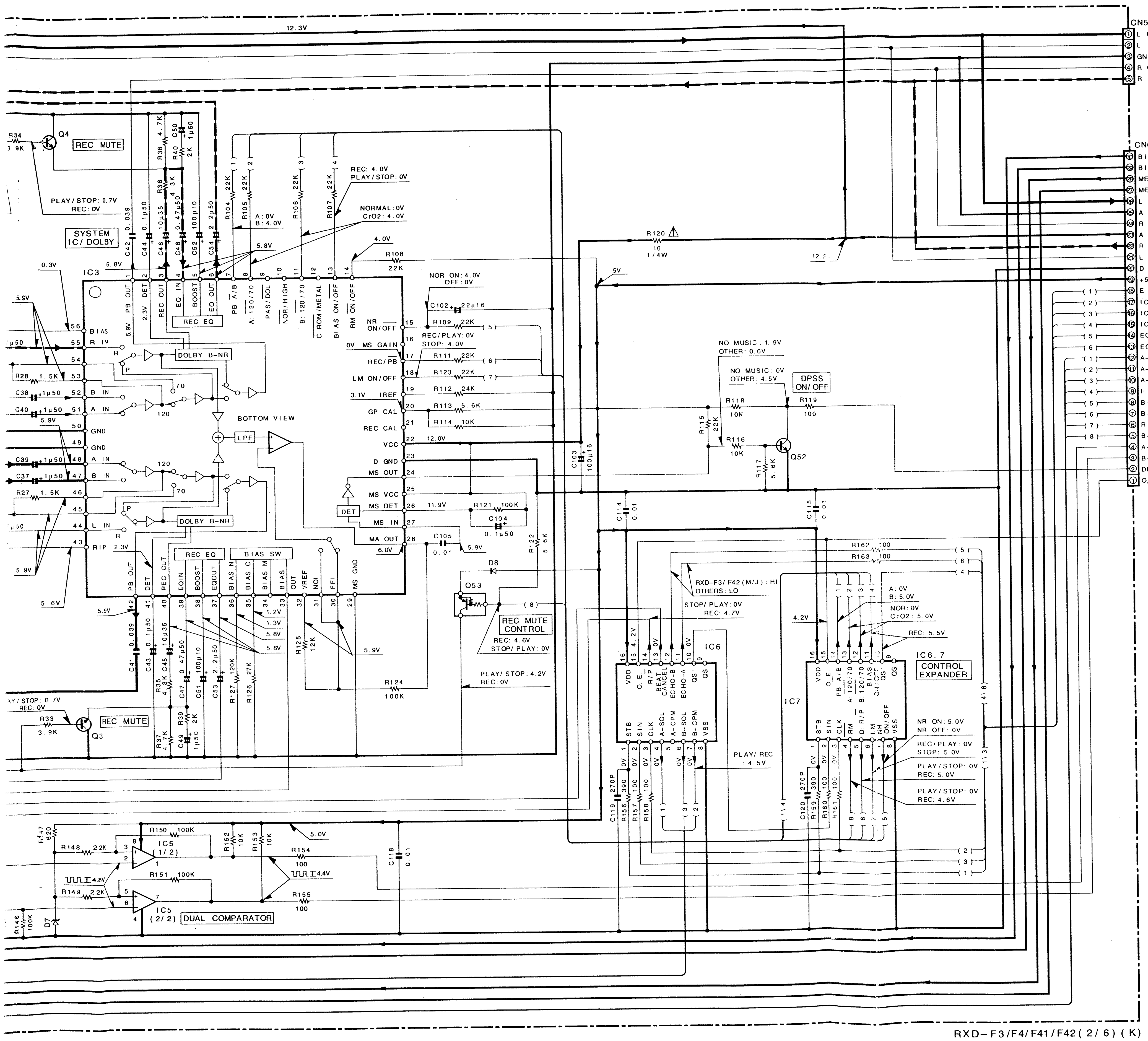
ROTARY HEAD


DECK MECHA
(RVS type)
D40-1427-08
A(PB) MECHA
R G L
PHOTO REFLECTOR
R-CH
L-CH
1.5K
SOL
PLAY
CrO2
PACK
NC
A-PLAY
PHOTO CATHODE
A-CrO2
NC
COM
MECHA +12V
NC
NC
A-PH
A-SOL
NC
A-PACK
NC
NC
B(RP) MECHA
R G L G E
MS15U2LWA
(B)
(A)
(+)
(-)
PHOTO REFLECTOR
R-CH
L-CH
EH
1.5K
SOL
FWD REC
PLAY
CrO2
RVS REC
PACK
F REC
B-PLAY
MECHA GND
B-CrO2
B-MOTOR
COM
MECHA +12V
M-(B)
M-(A)
B-PH
B-SOL
R REC
B-PACK
NC
NC


X28-27xx-xx RECORD/PLAY BACK UNIT
CN1
R G L
CN2
R G L G E
CN3
NC
A-PLAY
MECHA GND
A-CrO2
A-MOTOR
COM
MECHA +12V
M-(B)
M-(A)
A-PH
A-SOL
NC
A-PACK
NC
NC
CN4
F REC
B-PLAY
MECHA GND
B-CrO2
B-MOTOR
COM
MECHA +12V
M-(B)
M-(A)
B-PH
B-SOL
R REC
B-PACK
NC
NC
IC1 (1/2)
IC1 (2/2)
1.3V
9.3V
0.7V
3.7V
12.2V
C4 10µ35
C5 390P
C3 10µ35
R101 1K 1/4W
R10 1.5K
R9 1.5K
R6 10K
R8 150K
R5 10K
R7 150K
C10 0.015
C9 0.015
R2 150K
C2 680P
R1 150K
C1 680P
VR2 330B
VR1 330B
R4 100
R3 100
C8 47µ16
C7 47µ16
C116 100µ16
RCH
LCH
L2 10mH
L1 10mH
C12 2200P
C11 2200P
C14 220P
C13 220P
A PB AMP
PLAY: 0V
REC: 4.7V
PLAY: 12.2V
REC: 0V
REC/PLAY SELECT
Q51
D1
K1
L4 10mH
C16 220P
R30 15K
R32 10K
C15 220P
L3 10mH
R29 15K
R31 10K
C21 10µ35
IC2 (2/2)
IC2 (1/2)
C23 390P
C24 390P
R15 6.2K
R17 150K
C27 0.022
R16 6.2K
R18 150K
C28 0.022
VR3 220B
VR4 220B
R13 68
R14 68
C25 47µ16
C26 47µ16
C117 100µ16
REC: 4.7V
PLAY: 0V
Q1
Q2
MUTE
R11 150K
C19 680P
R12 150K
C20 680P
C22 10µ35
R102 1K
B PB AMP
L32-0570-05
L9
R165 10 1/4W
NOR: 5.2V
CrO2: 9.1V
Q58
BIAS OSC
12.2V
Q59
BIAS OSC SW
C106 470P 500
NOR: 0.1V
CrO2: 2V
Q54, 55
BEAT CANCEL SW
NOR: 5.4V
CrO2: 9.1V
Q56
NOR: 0.1V
CrO2: -0.3V
NOR: 0.1V
CrO2: -0.2V
Q57
Q54
Q55
R128 5.6K
R129 5.6K
C107 0.01
C108 10P 500V
C109 10µ35
R130 10 1/4W
R131 10 1/4W
C110 0.01
R132 22K
C111 5600P
R133 22K
C112 5600P
C113 4.7µ50
R134 16K
D2
Q60
R135 22K
R136 10K
12.3V
NOR: 6.2V
CrO2: 9.8V
NOR: -0.7V
CrO2: -1.4V
Q61
0V
BEAT CANCEL CONTROL
12.2V
D4
Q63
R139 3.9K
R166 47K
A DECK SOL/CONTROL
MOTOR CONTROL
PLAY/REC: 0V
STOP: 11.7V
PLAY/REC: 0.7V
R167 47K
Q64
R140 3.9K
D5
R141 13K
VR52 4.7KB
D6
Q65
R142 3.9K
R168 47K
B DECK SOL/CONTROL
1.6V
PRE DRIVER
GND
L7
L8
C55 220P 250V
C56 220P 250V
12.2V
2.0V
1.2V
1.8V
4.4V
2.5V
VCA
PEAK DET.
ABSO DET.
THERMAL DETECTING PROTECTION CIRCUIT
STABILIZING POWER SOURCE
C59 0.022
C60 0.022
C61 0.022
C62 0.022
C63 560P
C65 0.01
C66 0.01
C64 560P
C57 150P 250V
C58 150P 250V
R41 220K
R43 33K
R44 33K
R42 220K
IC4
R137 2.2K
VR7 4.7KB
R45 15K
IC4 HX PRO
R138 2.2K
VR8 4.7KB
R46 15K
REC MODE VOLTAGE
NORMAL: 7.3V
CrO2: 10.9V

X28-27xx-xx RECORD/PLAY BACK UNIT


Z
AA
AB
AC
AD
AE
AF
AG
AH
AI
CN1
CN2
CN3
CN4
IC1 (1/2)
IC1 (2/2)
A PB AMP
B PB AMP
RCH
LCH
VR1 330B
VR2 330B
REC/PLAY SELECT
PLAY: 0V REC: 4.7V
PLAY: 12.2V REC: 0V
Q51
D1
K1
IC2 (2/2)
IC2 (1/2)
Q1 MUTE
Q2 MUTE
L4 10mH
L3 10mH
R30 15K
R29 15K
R101 1K 1/4W
12.2V
12.3V
L32-0570-05
L9
R165 10 1/4W
Q58
BIAS OSC
Q56
Q57
BIAS OSC SW
Q54
Q55
Q54, 55 BEAT CANCEL SW
BEAT CANCEL CONTROL
Q59
Q60
Q61
D2
NOR: 5.2V CrO2: 9.1V
NOR: 5.4V CrO2: 9.1V
IC4
IC4 HX PRO
PRE DRIVER
VCA
PEAK DET.
ABSO DET.
THERMAL DETECTING PROTECTION CIRCUIT
STABILIZING POWER SOURCE
L7
L8
VR7 4.7KB
VR8 4.7KB
REC MUTE VOLTAGE NORMAL: 7.3V CrO2: 10.9V
A DECK SOL/CONTROL
B DECK SOL/CONTROL
MOTOR CONTROL
PLAY/ REC: 0V STOP: 11.7V
PLAY/ REC: 0.7V
Q63
Q64
Q65
D4
D5
D6
VR52 4.7KB
NC
A-PLAY
MECHA GND
A-CrO2
A-MOTOR
COM
MECHA +12V
M-(B)
M-(A)
A-PH
A-SOL
A-PACK
F REC
B-PLAY
B-CrO2
B-MOTOR
B-PH
B-SOL
R REC
B-PACK
SYSTEM IC/DOLBY
IC3
Q4 REC MUTE
Q3 REC MUTE
PLAY/STOP: 4.2V REC: 0V
PLAY/STOP: 0.7V REC: 0V
L5
L6
BIAS
R IN
B IN
A IN
GND
L IN
RIP
PB OUT
DET
REC OUT
EQ IN
BOOST
EQ OUT
PB A/B
A. 120/70
PAS/DOL
NOR/HIGH
B. 120/70
C ROM/METAL
BIAS ON/OFF
RM ON/OFF
NR ON/OFF
MS GAIN
REC/PB
LM ON/OFF
IREF
GP CAL
REC CAL
VCC
D GND
MS OUT
MS VCC
MS DET
MS IN
MA OUT
EQIN
EQOUT
BIAS N
BIAS C
BIAS M
VREF
NOI
FFI
MS GND
REC EQ
BIAS SW
DOLBY B-NR
LPF
BOTTOM VIEW
DET
NOR ON: 4.0V OFF: 0V
REC/PLAY: 0V STOP: 4.0V
REC: 4.0V PLAY/STOP: 0V
NORMAL: 0V CrO2: 4.0V
A: 0V B: 4.0V
IC5 (1/2)
IC5 (2/2) DUAL COMPARATOR
D7
5.0V


CN5
L OUT
L IN
GND
R OUT
R IN
12.3V
CN6
BIAS +12V
BIAS GND
MECHA +12V
MECHA GND
L OUT
A GND
R OUT
TAPE
A +12V
R REC
L REC
D GND
+5V
E-STB
IC-CLK
IC DATA
IC-DATA2
ECHO-B
ECHO-A
A-PLAY
A-CrO2
A-PACK
F REC
B-PLAY
B-CrO2
R REC
B-PACK
A-PH
B-PH
DPSS
O. E
TO X09 CN3
B
4/6
IC3
SYSTEM IC/ DOLBY
REC MUTE
Q4
Q3
R34 3.9K
R33 3.9K
PLAY/ STOP: 0.7V REC: 0V
BIAS
R IN
B IN
A IN
GND
L IN
RIP
DOLBY B-NR
BOTTOM VIEW
LPF
DET
REC EQ
BIAS SW
PB OUT
REC OUT
EQ OUT
EQ IN
BOOST
PB A/B
PAS/DOL
NOR/HIGH
B: 120/70
C ROM/METAL
BIAS ON/OFF
RM ON/OFF
NR ON/OFF
MS GAIN
REC/PB
LM ON/OFF
IREF
GP CAL
REC CAL
VCC
D GND
MS OUT
MS VCC
MS DET
MS IN
MA OUT
NOR ON: 4.0V OFF: 0V
REC/ PLAY: 0V STOP: 4.0V
REC: 4.0V PLAY/STOP: 0V
NORMAL: 0V CrO2: 4.0V
A: 0V B: 4.0V
R120 10 1/4W
NO MUSIC: 1.9V OTHER: 0.6V
NO MUSIC: 0V OTHERS: 4.5V
DPSS ON/ OFF
Q52
Q53
D8
REC MUTE CONTROL
REC: 4.6V STOP/ PLAY: 0V
PLAY/ STOP: 4.2V REC: 0V
IC6
IC7
IC6, 7 CONTROL EXPANDER
RXD-F3/ F42(M/J): HI OTHERS: LO
STOP/ PLAY: 0V REC: 4.7V
VDD
O.E
BEAT CANCEL
ECHO-B
ECHO-A
STB
SIN
CLK
A-SOL
A-CPM
B-SOL
B-CPM
VSS
QS
A: 0V B: 5.0V
NOR: 0V CrO2: 5.0V
REC: 5.5V
NR ON: 5.0V NR OFF: 0V
REC/ PLAY: 0V STOP: 5.0V
PLAY/ STOP: 0V REC: 5.0V
PLAY/ STOP: 0V REC: 4.6V
PLAY/ REC: 4.5V
IC5 (1/2)
IC5 (2/2)
DUAL COMPARATOR
5.0V
4.4V
4.8V
D7
R146 100K
C118 0.01
C114 0.01
C115 0.01
C103 100μ16

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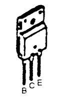
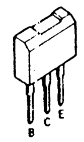
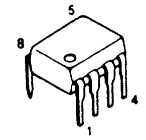
2SB1375
2SD2012



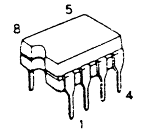
2SD1893



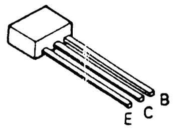
NJM2100D



NJM4565D
NJM4565D-D



UN4212
2SA1309A
2SC3311A



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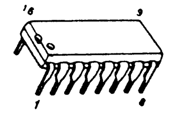
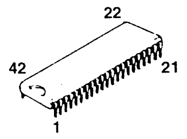
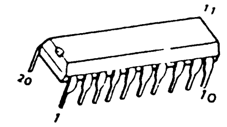


LA2785



TDA7315



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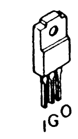


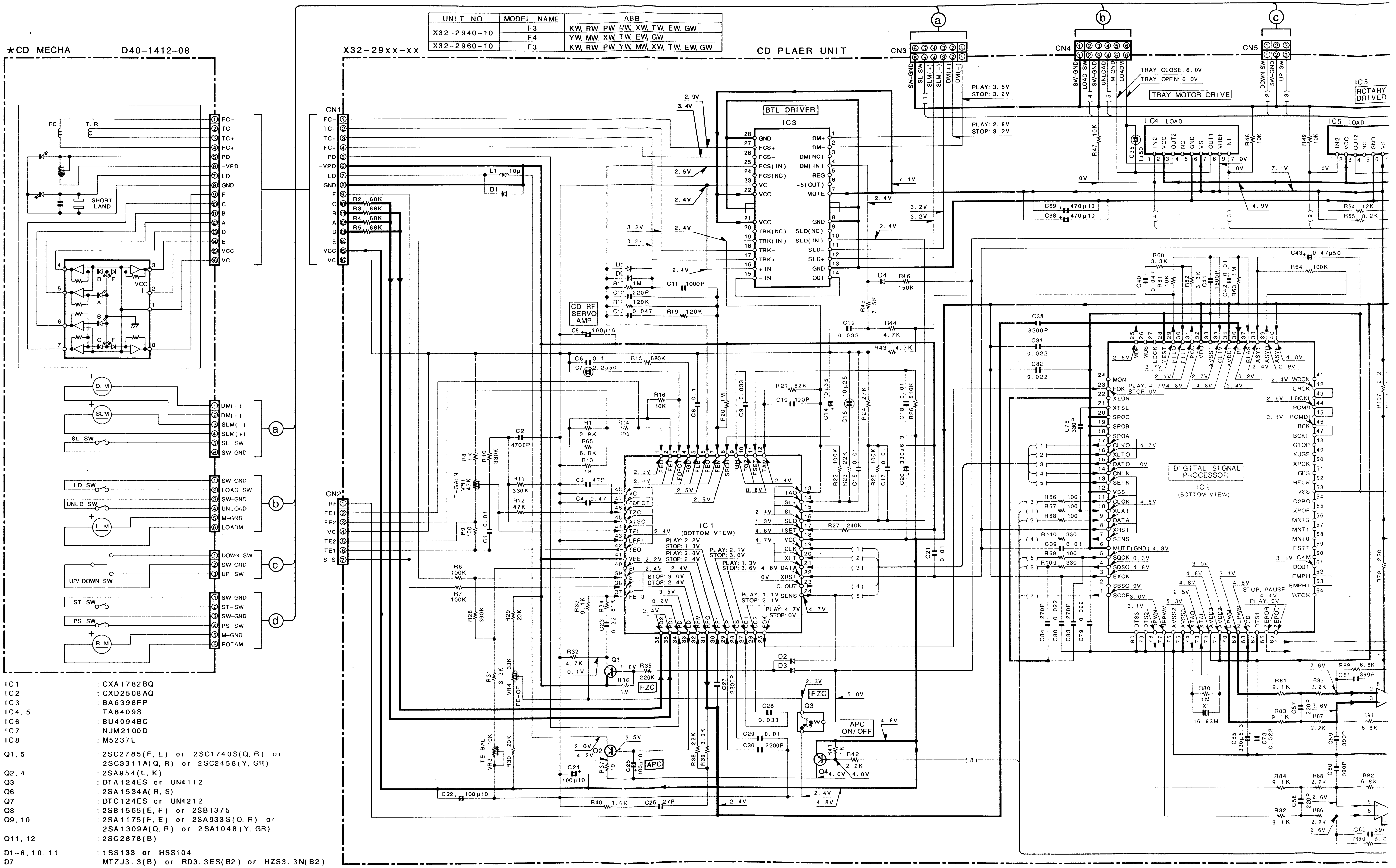
SIGNAL LINE
GND LINE
+B LINE
-B LINE

Y39-2130-11

RXD-F3/F4/F41/F42

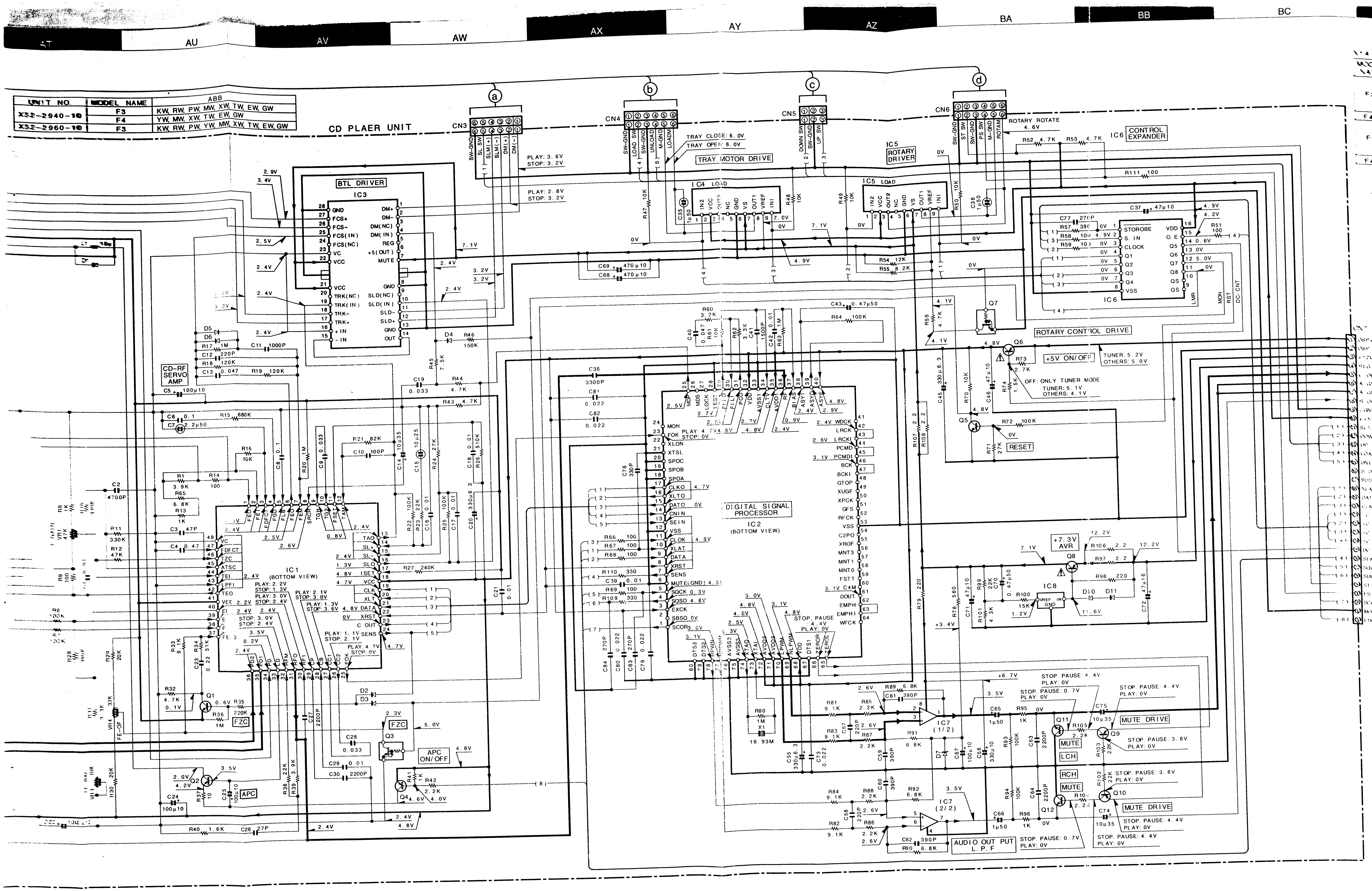
KENWOOD

UNIT NO.	MODEL NAME	ABB
X32-2940-10	F3	KW, RW, PW, MW, XW, TW, EW, GW
	F4	YW, MW, XW, TW, EW, GW
X32-2960-10	F3	KW, RW, PW, YW, MW, XW, TW, EW, GW


*CD MECHA
D40-1412-08
X32-29xx-xx
CD PLAER UNIT
CN1
CN2
CN3
CN4
CN5
BTL DRIVER
IC3
CD-RF SERVO AMP
IC1 (BOTTOM VIEW)
DIGITAL SIGNAL PROCESSOR
IC2 (BOTTOM VIEW)
TRAY MOTOR DRIVE
TRAY CLOSE: 6.0V
TRAY OPEN: 6.0V
IC4 LOAD
IC5 LOAD
IC5 ROTARY DRIVER
PLAY: 3.6V STOP: 3.2V
PLAY: 2.8V STOP: 3.2V
T-GAIN VR1
TE-BAL VR3
FE-OF VR4
FZC
APC
APC ON/OFF
SHORT LAND
D.M
SLM
L.M
R.M
SL SW
LD SW
UNLD SW
UP/DOWN SW
ST SW
PS SW
X1 16.93M

IC1	: CXA1782BQ
IC2	: CXD2508AQ
IC3	: BA6398FP
IC4, 5	: TA8409S
IC6	: BU4094BC
IC7	: NJM2100D
IC8	: M5237L
Q1, 5	: 2SC2785(F, E) or 2SC1740S(Q, R) or 2SC3311A(Q, R) or 2SC2458(Y, GR)
Q2, 4	: 2SA954(L, K)
Q3	: DTA124ES or UN4112
Q6	: 2SA1534A(R, S)
Q7	: DTC124ES or UN4212
Q8	: 2SB1565(E, F) or 2SB1375
Q9, 10	: 2SA1175(F, E) or 2SA933S(Q, R) or 2SA1309A(Q, R) or 2SA1048(Y, GR)
Q11, 12	: 2SC2878(B)
D1~6, 10, 11	: 1SS133 or HSS104
D7	: MTZJ3. 3(B) or RD3. 3ES(B2) or HZS3. 3N(B2)

UNIT NO.	MODEL NAME	ABB
XS2-2940-10	F3	KW, RW, PW, MW, XW, TW, EW, GW
	F4	YW, MW, XW, TW, EW, GW
XS2-2960-10	F3	KW, RW, PW, YW, MW, XW, TW, EW, GW



AT
AU
AV
AW
AX
AY
AZ
BA
BB
BC
CD PLAER UNIT
CN3
CN4
CN5
CN6
a
b
c
d
SW-GND
SL SW
SLM(+)
SLM(−)
DM(+)
DM(−)
LOAD SW
UNLOAD
M-GND
LOADM
DOWN SW
UP SW
ST SW
PS SW
ROTAM
PLAY: 3.6V
STOP: 3.2V
PLAY: 2.8V
STOP: 3.2V
TRAY CLOSE: 6.0V
TRAY OPEN: 6.0V
TRAY MOTOR DRIVE
IC4 LOAD
IC5 LOAD
IC5 ROTARY DRIVER
ROTARY ROTATE 4.6V
IC6 CONTROL EXPANDER
BTL DRIVER
IC3
CD-RF SERVO AMP
IC1 (BOTTOM VIEW)
DIGITAL SIGNAL PROCESSOR
IC2 (BOTTOM VIEW)
ROTARY CONTROL DRIVE
+5V ON/OFF
TUNER: 5.2V
OTHERS: 5.0V
OFF: ONLY TUNER MODE
TUNER: 5.1V
OTHERS: 4.1V
RESET
+7.3V AVR
IC8
FZC
APC
APC ON/OFF
IC7 (1/2)
IC7 (2/2)
AUDIO OUT PUT L.P.F
MUTE DRIVE
MUTE
LCH
RCH
STOP, PAUSE: 4.4V
PLAY: 0V
STOP, PAUSE: 0.7V
STOP, PAUSE: 3.8V
X1 16.93M
TO X
C

X14 C/3

MODEL NAME	X14-401 S, W MADE
FS	0-11
	0-21
	0-51
	0-71
F42	0-23
F4	0-12
	0-22
	0-52
	2-72
F41	0-13

X14 C/3

IC301 : NJ

D301 : RD
HZ
UZ

Q301, 302, 307~310 : 2S

Q303~306 : 2S

Q311, 312 : 2S

Q313 : 2S
2S

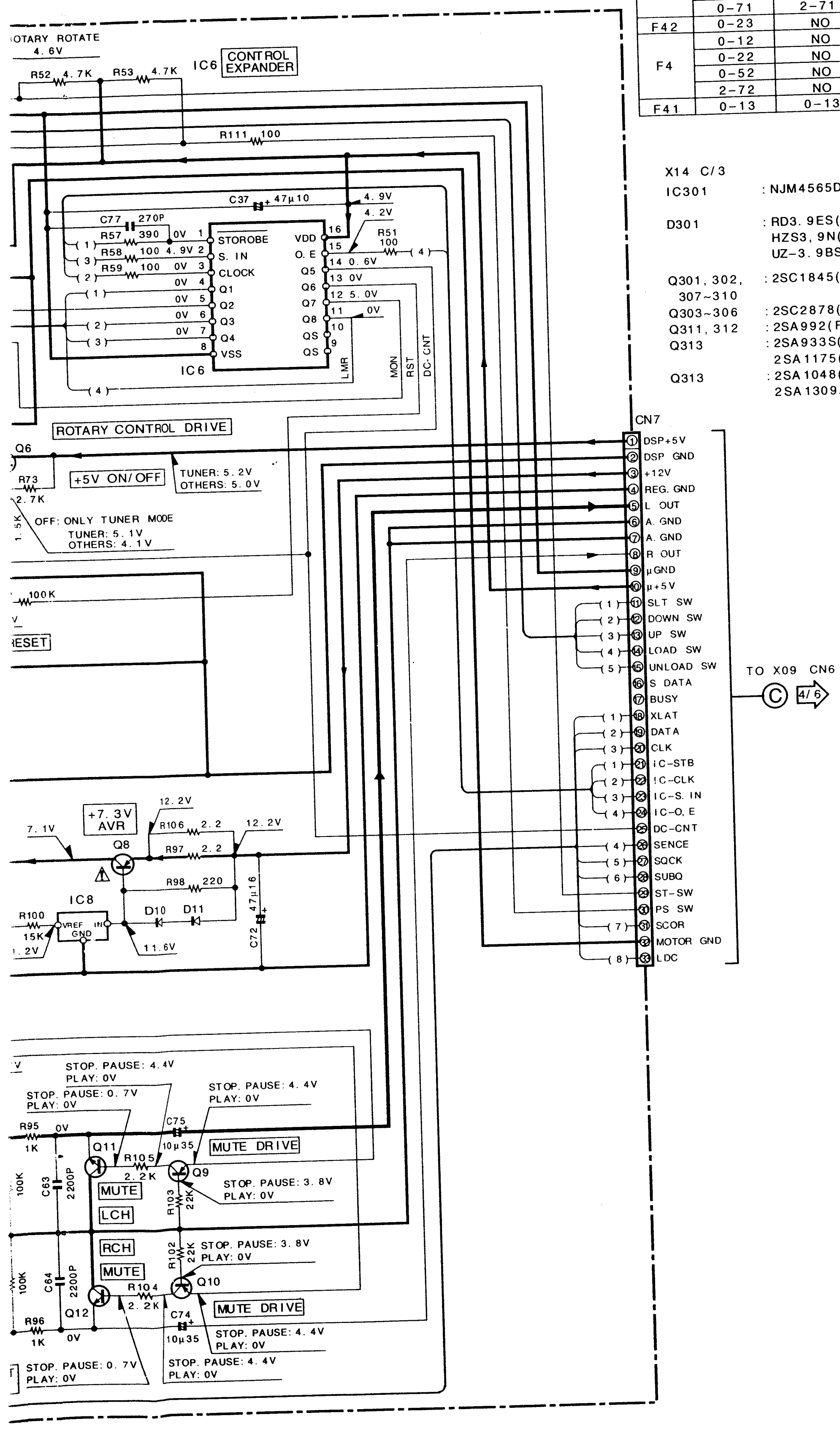
Q313 : 2S
2S

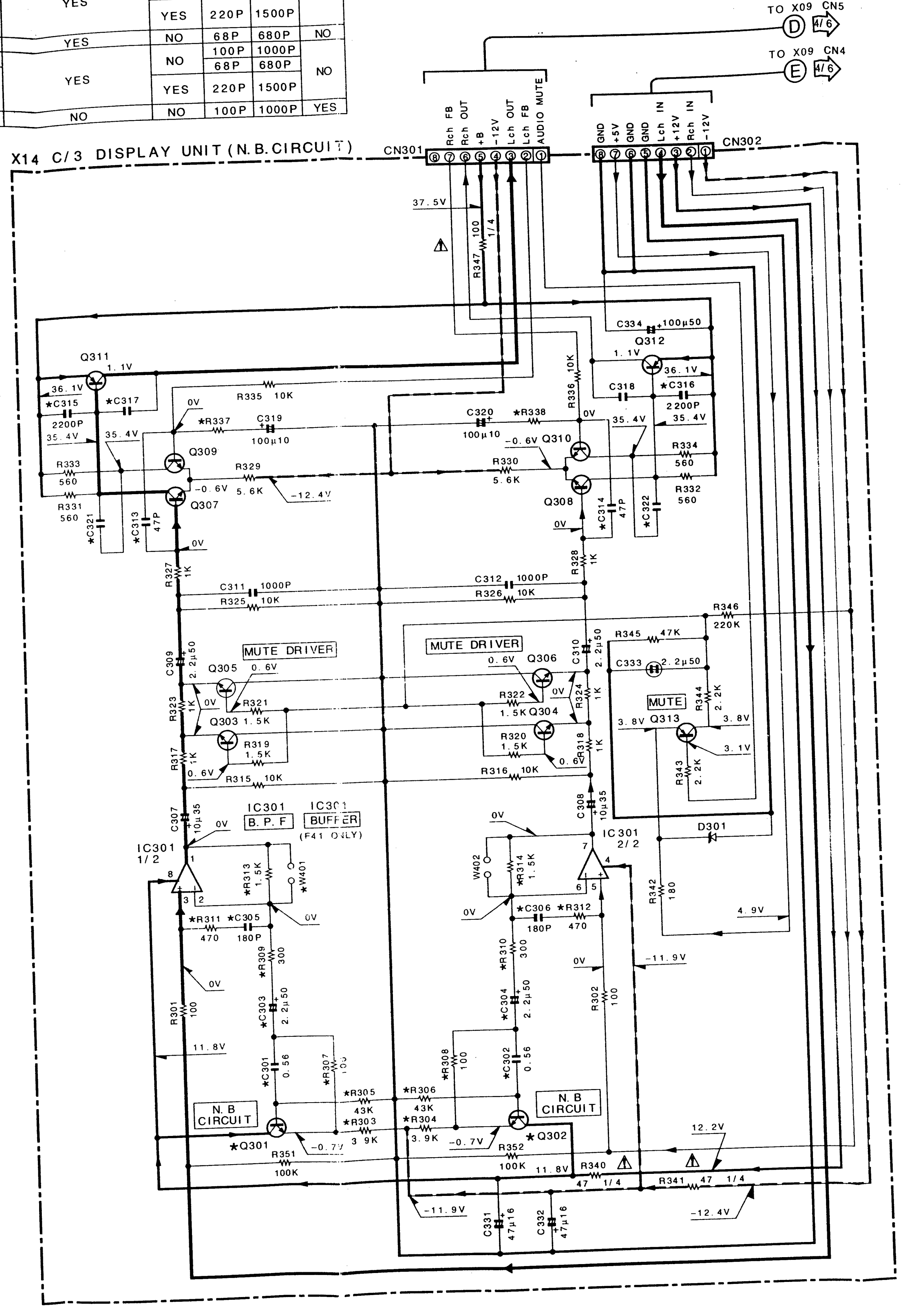
X14 C/3

MODEL NAME	X14-401 S, W MADE	X14-403 H MADE	ABB	R337, R338	R303~314, C301~306, Q301, 302	C313, ~316	C317, C318	C321, C322	W401, W402
F3	0-11	0-11	K, R, P	91	YES	NO	100P	1000P	NO
	0-21	0-21	M	100			68P	680P	
	0-51	0-51	T			YES	220P	1500P	
	0-71	2-71	X, E, G						
F42	0-23	NO	M	100	YES	NO	68P	680P	NO
F4	0-12	NO	K, R, P	91	YES	NO	100P	1000P	NO
	0-22	NO	Y, M	100			68P	680P	
	0-52	NO	T			YES	220P	1500P	
	2-72	NO	E, G, X						
F41	0-13	0-13	K, R, P	91	NO	NO	100P	1000P	YES

X14 C/3

IC301	: NJM4565D-D
D301	: RD3. 9ES(B2) or HZS3, 9N(B2) or UZ-3. 9BSB(F4, F42 ONLY)
Q301, 302, 307~310	: 2SC1845(F, E)
Q303~306	: 2SC2878(B)
Q311, 312	: 2SA992(F, E)
Q313	: 2SA933S(Q, R) or 2SA1175(F, E)
Q313	: 2SA1048(Y, GR) or 2SA1309A(Q, R)


ROTARY ROTATE 4. 6V
R52 4. 7K
R53 4. 7K
IC6 CONTROL EXPANDER
R111 100
C37 47μ10
C77 270P
R57 390
R58 100
R59 100
STOROBE
S. IN
CLOCK
Q1
Q2
Q3
Q4
VSS
VDD
O. E
Q5
Q6
Q7
Q8
R51 100
LMR
MON
RST
DC-CNT
IC6
ROTARY CONTROL DRIVE
Q6
R73 2. 7K
+5V ON/OFF
TUNER: 5. 2V
OTHERS: 5. 0V
OFF: ONLY TUNER MODE
TUNER: 5. 1V
OTHERS: 4. 1V
100K
RESET
+7. 3V AVR
Q8
R106 2. 2
R97 2. 2
R98 220
C72 47μ16
12. 2V
7. 1V
IC8
R100 15K
D10
D11
VREF
IN
GND
11. 6V
CN7
DSP+5V
DSP GND
+12V
REG. GND
L OUT
A. GND
A. GND
R OUT
μGND
μ+5V
SLT SW
DOWN SW
UP SW
LOAD SW
UNLOAD SW
S DATA
BUSY
XLAT
DATA
CLK
IC-STB
IC-CLK
IC-S. IN
IC-O. E
DC-CNT
SENCE
SQCK
SUBQ
ST-SW
PS SW
SCOR
MOTOR GND
LDC
TO X09 CN6
C
4/6
STOP. PAUSE: 4. 4V
PLAY: 0V
STOP. PAUSE: 0. 7V
PLAY: 0V
R95 1K
C83 2200P
Q11
R105 2. 2K
C75 10μ35
MUTE DRIVE
Q9
MUTE
LCH
R103 22K
STOP. PAUSE: 3. 8V
PLAY: 0V
RCH
MUTE
R102 22K
R104 2. 2K
Q10
C84 2200P
Q12
R96 1K
C74 10μ35
MUTE DRIVE
STOP. PAUSE: 4. 4V
PLAY: 0V


TO X09 CN5
D
4/6
TO X09 CN4
E
4/6
X14 C/3 DISPLAY UNIT (N.B.CIRCUIT)
CN301
Rch FB
Rch OUT
+B
-12V
Lch OUT
Lch FB
AUDIO MUTE
GND
+5V
GND
GND
Lch IN
+12V
Rch IN
-12V
CN302
37. 5V
R347 100 1/4
Q311
Q312
C334 100μ50
C315 2200P
C316 2200P
C317
C318
R335 10K
R337
C319 100μ10
C320 100μ10
R338
Q309
Q310
Q307
Q308
R333 560
R331 560
R334 560
R332 560
R329 5. 6K
R330 5. 6K
R336 10K
C321
C313 47P
C314 47P
C322
R327 1K
R328 1K
C311 1000P
R325 10K
C312 1000P
R326 10K
R346 220K
R345 47K
C333 2. 2μ50
C309 2. 2μ50
C310 2. 2μ50
MUTE DRIVER
Q305
MUTE DRIVER
Q306
R321 1. 5K
R322 1. 5K
Q303
Q304
R323 1K
R324 1K
MUTE
Q313
R344 2. 2K
R343 2. 2K
R319 1. 5K
R320 1. 5K
R317 1K
R318 1K
R315 10K
R316 10K
C307 10μ35
C308 10μ35
IC301 B. P. F
IC301 BUFFER (F41 ONLY)
IC301 1/2
IC301 2/2
D301
R313 1. 5K
W401
W402
R314 1. 5K
R342 180
R311 470
C305 180P
C306 180P
R312 470
R309 300
R310 300
C303 2. 2μ50
C304 2. 2μ50
R301 100
R302 100
C301 0. 56
C302 0. 56
R307
R308 100
R305 43K
R306 43K
R303 3. 9K
R304 3. 9K
N. B CIRCUIT
N. B CIRCUIT
Q301
Q302
R351 100K
R352 100K
R340 47 1/4
R341 47 1/4
C331 47μ16
C332 47μ16
12. 2V
11. 8V
-11. 9V
-12. 4V
4. 9V
3. 8V
3. 1V

— SIGNAL LINE
— GND LINE
— +B LINE
- - - -B LINE

RXD-F3/F4/F41/F42(3/6)(K)

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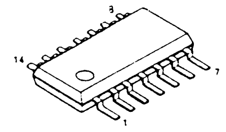
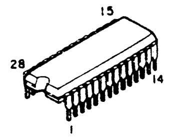
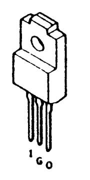
BU4066BCF



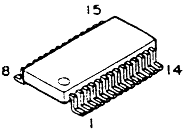
M65840SP



TA7805S



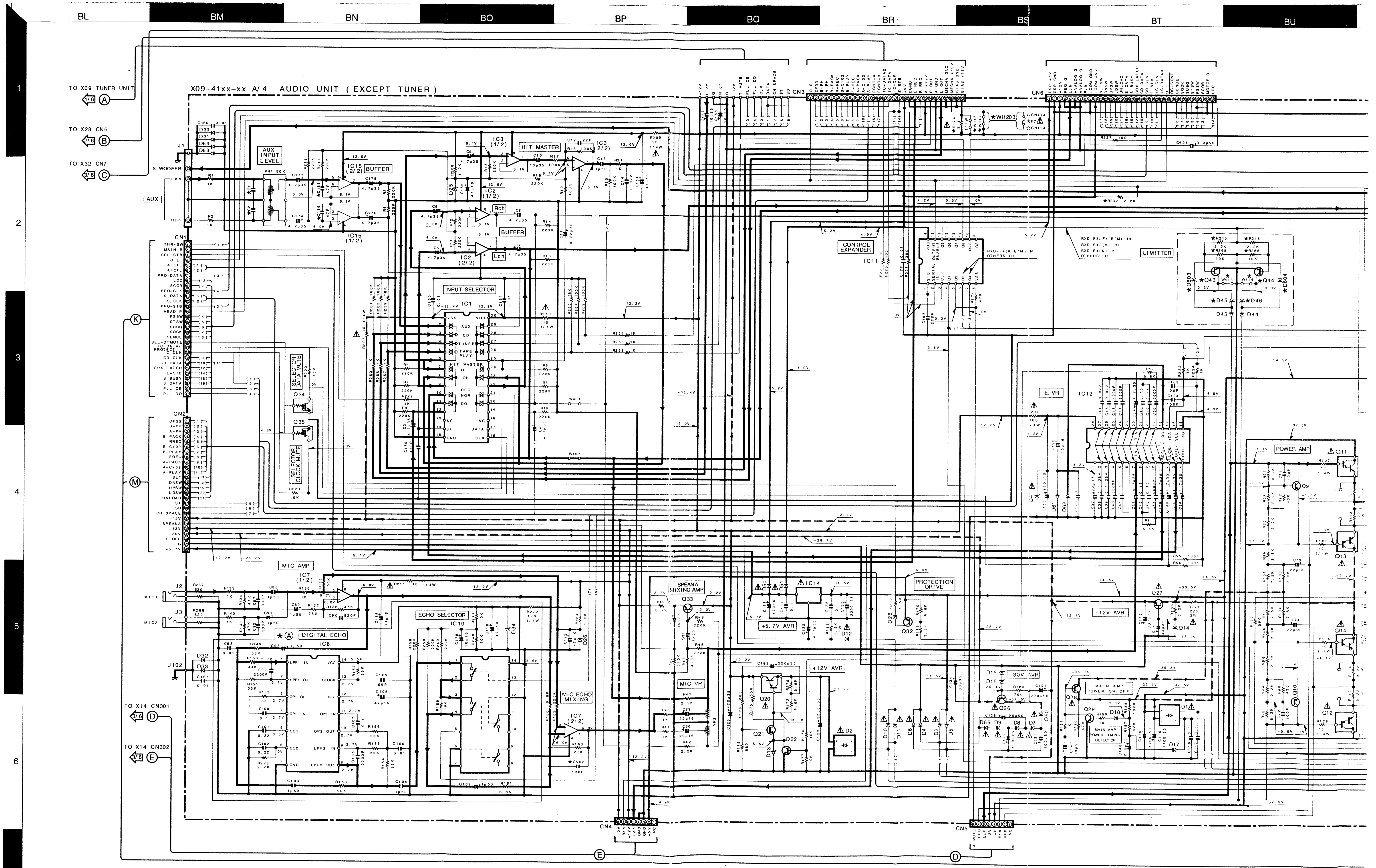
NJU3718G



RXD-F3/F4/F41/F

KENWOOD

Y39-2130-11

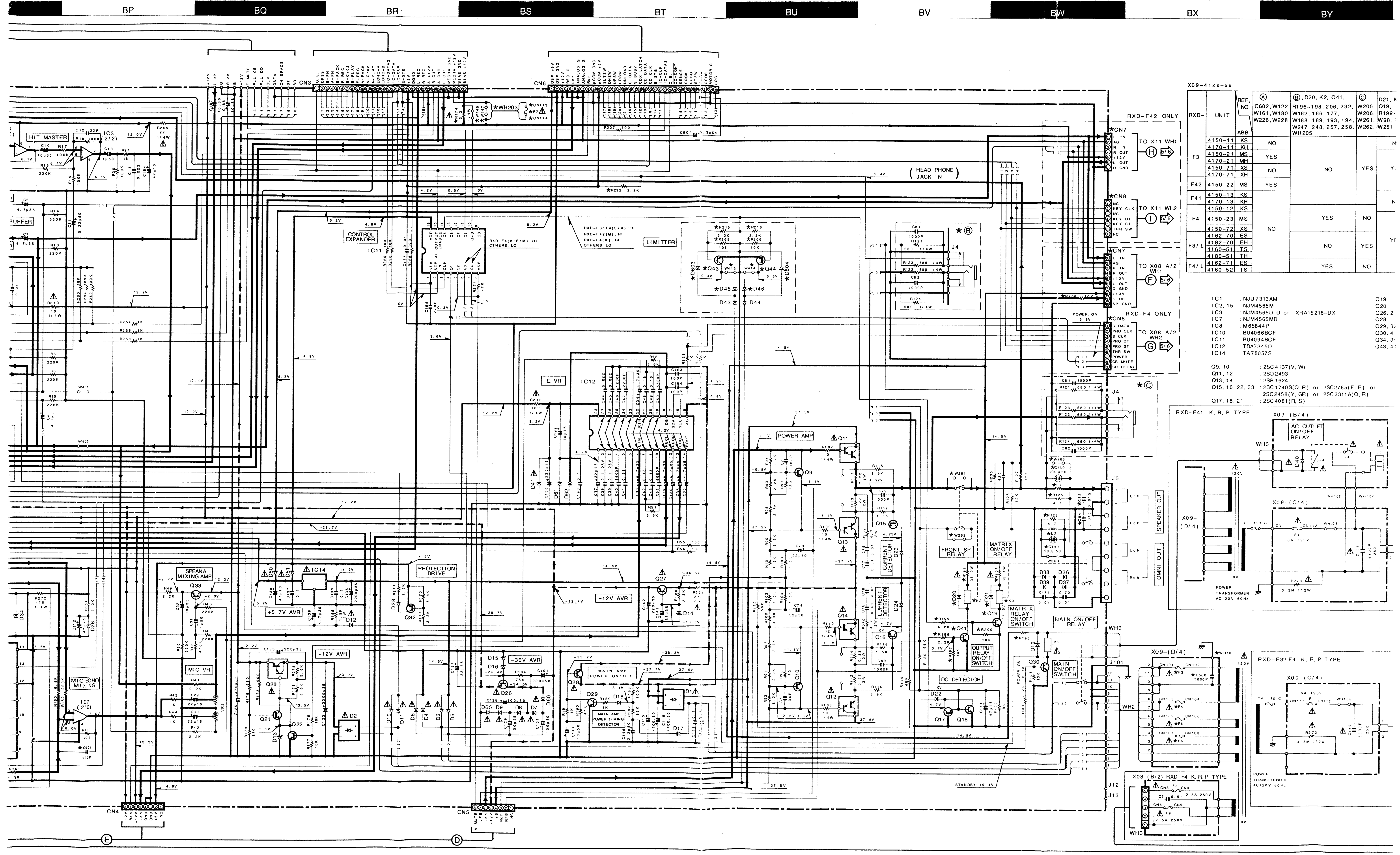

BL
BM
BN
BO
BP
BQ
BR
BS
BT
BU
1
2
3
4
5
6
7
X09-41xx-xx A/4 AUDIO UNIT (EXCEPT TUNER)
TO X09 TUNER UNIT
1/6 Ⓐ
TO X28 CN6
2/6 Ⓑ
TO X32 CN7
3/6 Ⓒ
TO X14 CN301
3/6 Ⓓ
TO X14 CN302
3/6 Ⓔ
AUX INPUT LEVEL
AUX
S.WOOFER
Lch
Rch
J1
CN1
CN2
CN3
CN4
CN5
CN6
IC15 (2/2) BUFFER
IC15 (1/2)
IC3 (1/2)
IC3 (2/2)
HIT MASTER
IC2 (1/2)
IC2 (2/2)
Rch
Lch
BUFFER
INPUT SELECTOR
IC1
SELECTOR DATA MUTE
SELECTOR CLOCK MUTE
Q34
Q35
CONTROL EXPANDER
IC11
LIMITTER
E.VR
IC12
POWER AMP
MIC AMP
IC7 (1/2)
IC7 (2/2)
MIC1
MIC2
J2
J3
J102
DIGITAL ECHO
IC8
ECHO SELECTOR
IC10
MIC ECHO MIXING
SPEANA MIXING AMP
Q33
MIC VR
IC14
+5.7V AVR
PROTECTION DRIVE
Q32
+12V AVR
Q20
Q21
Q22
-30V AVR
Q26
MAIN AMP POWER ON/OFF
Q28
Q29
MAIN AMP POWER TIMING DETECTOR
-12V AVR
Q27
Q9
Q10
Q11
Q12
Q13
Q14
★WH203
RXD-F3/F4(E/M) HI
RXD-F42(M) HI
RXD-F4(K) HI
OTHERS LO
RXD-F4(K/E/M) HI
OTHERS LO

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

DOLBY and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Noise reduction circuit made under license from Dolby Laboratories Licensing Corporation.

DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c doivent êtr
impédance Les valeurs pe
variations inhérentes aux a
individuels


BP
BQ
BR
BS
BT
BU
BV
BW
BX
BY
CN3
CN6
CN4
CN5
CN7
CN8
HIT MASTER
IC3 (2/2)
BUFFER
CONTROL EXPANDER
IC11
RXD-F3/F4(E/M): HI
RXD-F42(M): HI
RXD-F4(K): HI
OTHERS: LO
RXD-F4(K/E/M): HI
OTHERS: LO
LIMITTER
(HEAD PHONE JACK IN)
RXD-F42 ONLY
TO X11 WH1
TO X11 WH2
TO X08 A/2 WH1
TO X08 A/2 WH2
RXD-F4 ONLY
POWER ON 3.6V
E. VR
IC12
POWER AMP
PROTECTION DRIVE
SPEANA MIXING AMP
MIC VR
MIC ECHO MIXING
IC7 (2/2)
IC14
+5.7V AVR
-12V AVR
+12V AVR
-30V AVR
MAIN AMP POWER ON/OFF
MAIN AMP POWER TIMING DETECTOR
CURRENT DETECTOR
FRONT SP RELAY
MATRIX ON/OFF RELAY
MATRIX RELAY ON/OFF SWITCH
OUTPUT RELAY ON/OFF SWITCH
DC DETECTOR
MAIN ON/OFF RELAY
MAIN ON/OFF SWITCH
SPEAKER OUT
OMNI OUT
Lch
Rch
J4
J5
J101
J12
J13
WH2
WH3
STANDBY 15.4V
RXD-F41 K, R, P TYPE
X09-(B/4)
AC OUTLET ON/OFF RELAY
X09-(C/4)
X09-(D/4)
POWER TRANSFORMER AC120V 60Hz
RXD-F3/F4 K, R, P TYPE
X08-(B/2) RXD-F4 K,R,P TYPE

X09-41xx-xx

RXD-	UNIT	REF. NO. / ABB	Ⓐ C602, W122 W161, W180 W226, W228	Ⓑ, D20, K2, Q41, R196~198, 206, 232, W162, 166, 177, W188, 189, 193, 194, W247, 248, 257, 258, WH205	Ⓒ W205, W206, W261, W262,	D21, K Q19, R199~ W98, 1 W251
F3	4150-11	KS	NO	NO	YES	N
	4170-11	KH				
	4150-21	MS	YES			YE
	4170-21	MH				
	4150-71	XS	NO			
	4170-71	XH				
F42	4150-22	MS	YES			
F41	4150-13	KS	NO			N
	4170-13	KH				
F4	4150-12	KS		YES	NO	YE
	4150-23	MS				
	4150-72	XS				
F3/L	4162-70	ES		NO	YES	
	4182-70	EH				
	4160-51	TS				
	4180-51	TH				
F4/L	4162-71	ES		YES	NO	
	4160-52	TS				

IC1	: NJU7313AM
IC2, 15	: NJM4565M
IC3	: NJM4565D-D or XRA15218-DX
IC7	: NJM4565MD
IC8	: M65844P
IC10	: BU4066BCF
IC11	: BU4094BCF
IC12	: TDA7345D
IC14	: TA78057S

Q9, 10	: 2SC4137(V, W)
Q11, 12	: 2SD2493
Q13, 14	: 2SB1624
Q15, 16, 22, 33	: 2SC1740S(Q, R) or 2SC2785(F, E) or 2SC2458(Y, GR) or 2SC3311A(Q, R)
Q17, 18, 21	: 2SC4081(R, S)

Q19
Q20
Q26, 2
Q28
Q29, 3
Q30, 4
Q34, 3
Q43, 4

d parts (refer to with same type be carried out mer.

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DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c doivent être mesurées avec un voltmétre á haute impédance Les valeurs peuvent différer légérement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U geringfügig.

X09-41xx-xx

RXD-	UNIT	REF. NO. / ABB	Ⓐ C602, W122 W161, W180 W226, W228	Ⓑ, D20, K2, Q41, R196~198, 206, 232, W162, 166, 177, W188, 189, 193, 194, W247, 248, 257, 258, WH205	Ⓒ W205, W206, W261, W262,	D21, K3, Q19, R199~201, W98, 116, W251	C1, 2	C83, 84, C185, C186, L1, 2 R125, R126	C183	C189, C190	C500, WH10	R174	R195	CN7, CN8, W130	CN113, CN114 WH203, WH220	WH101~ WH105	J4 E70-xxxx-05	J5 E70-xxxx-05	F3, 4	F5	F6	F7	D45, 46	D603, D604	W145	W147	W249	W263, W264	W401, W402
F3	4150-11	KS	NO	NO	YES	NO	220P	NO	CE04LW1V221M	NO	YES	YES	33 2W	NO	YES	NO	0282	0032	6A 125V	1.25A 250V	2A 125V	YES	NO	YES	NO	NO	NO	YES	YES
	4170-11	KH															0280						RD30ES(B2) or HZS30N(B2)						
	4150-21	MS	YES			YES					NO	NO			NO	YES	0282	0048	T5AL 250V	T1AL 250V	T1.6AL 250V	NO	RD10ES(B2) or HZS10N(B2) or UZ-10BSB	NO	YES	YES			
	4170-21	MH															0280												
	4150-71	XS	NO													NO	0282										YES		
	4170-71	XH															0280												
F42	4150-22	MS	YES									YES		YES		YES	0282										NO		NO
F41	4150-13	KS	NO			NO				YES	YES		15 2W	NO	YES	NO		0032	6A 125V	1.25A 250V	2A 250V	YES	RD30ES(B) or HZS30N(B)	YES	NO	NO		NO	YES
	4170-13	KH										NO					0280												
F4	4150-12	KS		YES	NO				C90-3398-05	NO			33 2W				0282						NO					YES	NO
	4150-23	MS				YES			CE04LW1V221M						NO	YES		0048	T5AL 250V	T1AL 250V	T1.6AL 250V	NO	RD10ES(B2) or HZS10N(B2) or UZ-10BSB	NO	YES	YES			
	4150-72	XS									NO					NO											YES		
F3/L	4162-70	ES		NO	YES		470P	YES																				NO	YES
	4182-70	EH															0280	0032											
	4160-51	TS															0282	0048											
	4180-51	TH															0280	0032											
F4/L	4162-71	ES		YES	NO												0282	0048											NO
	4160-52	TS																											

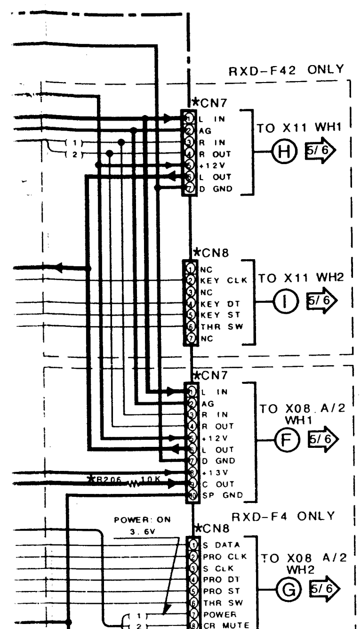
IC1 : NJU7313AM
IC2, 15 : NJM4565M
IC3 : NJM4565D-D or XRA15218-DX
IC7 : NJM4565MD
IC8 : M65844P
IC10 : BU4066BCF
IC11 : BU4094BCF
IC12 : TDA7345D
IC14 : TA78057S

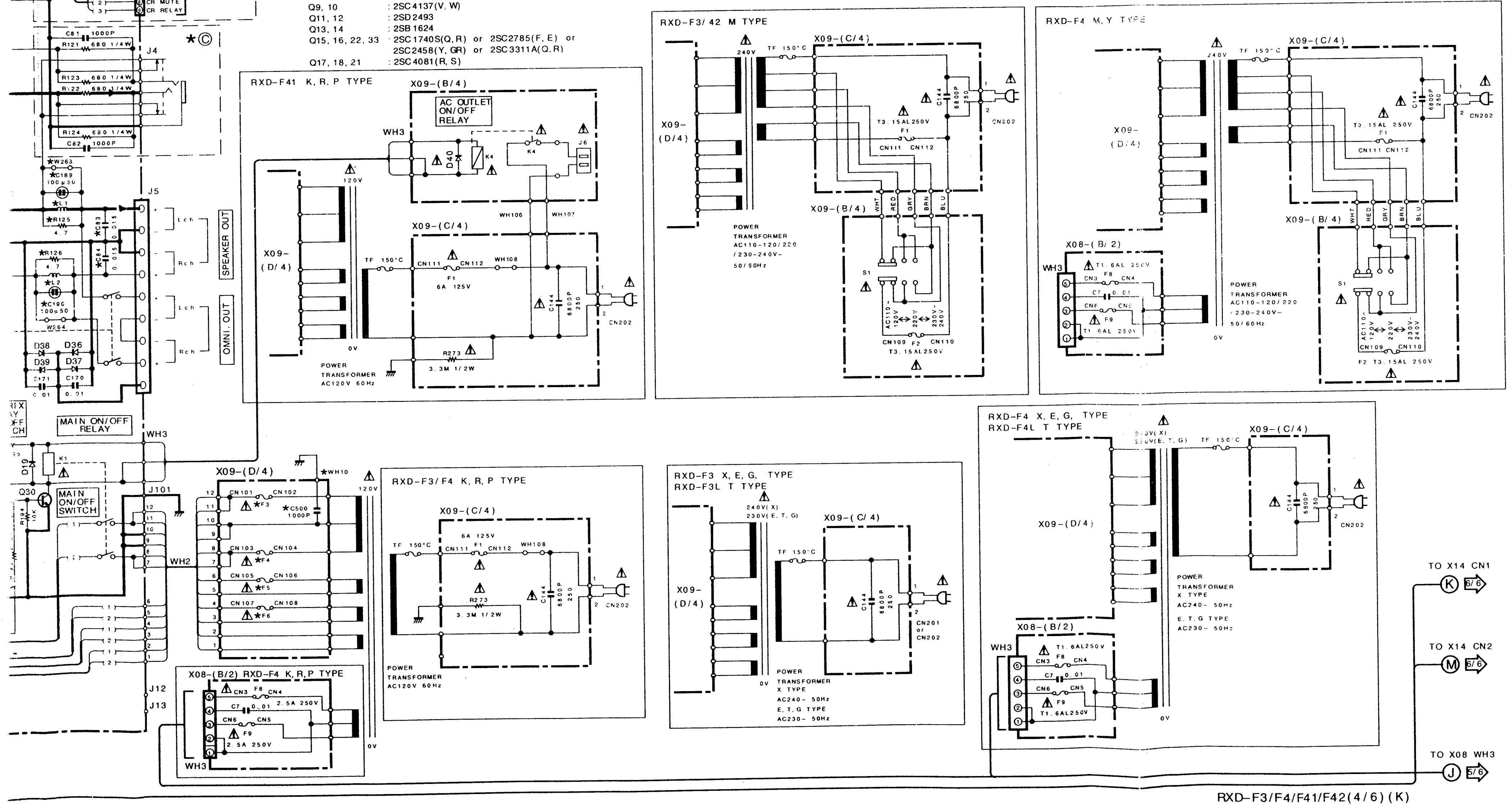
Q9, 10 : 2SC4137(V, W)
Q11, 12 : 2SD2493
Q13, 14 : 2SB1624
Q15, 16, 22, 33 : 2SC1740S(Q, R) or 2SC2785(F, E) or 2SC2458(Y, GR) or 2SC3311A(Q, R)
Q17, 18, 21 : 2SC4081(R, S)

Q19 : 2SC3246
Q20 : 2SD1893
Q26, 27 : 2SB1370 or 2SB1375
Q28 : 2SA954(L, K)
Q29, 32 : 2SA1576(R, S)
Q30, 41 : 2SC2003(L, K)
Q34, 35 : DTC124EU or UN5212
Q43, 44 : 2SC1845(F, E)

D1 : D3SBA20F03 or RBV-402LFA
D2 : KBPO2ML-6127
D3~9, 50, 60, 65 : S5688B or 1SR139-100
D10, 11, 17~21, 23, 24, 28, 32, 33, 36~40, 43, 44, 51 : 1SS131 or HSS104A
D12, 13 : HZS5. 6N(B2) or RD5. 6ES(B2) or UZ-5. 6BSB

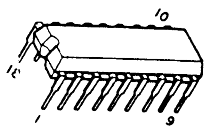
D14, 15 : HZS13N(B2) or RD13ES(B2) or UZ-13BSB
D16 : HZS16N(B2) or RD16ES(B2) or UZ-16BSB
D22, 30, 31, 61~64 : MA111
D25, 26, 34 : HZS6. 2N(B2) or RD6. 2ES(B2) or UZ-6. 2BSB
D41 : HZS8. 2N(B2) or RD8. 2ES(B2) or UZ-8. 2BSB
D45, 46 : ★
D603, 604 : HZS30N(B) or RD30ES(B)


RXD-F42 ONLY
★CN7
L IN
AG
R IN
R OUT
+12V
L OUT
D GND
TO X11 WH1
Ⓗ 5/6
★CN8
NC
KEY CLK
NC
KEY DT
KEY ST
THR SW
NC
TO X11 WH2
Ⓘ 5/6
★CN7
TO X08 A/2 WH1
Ⓕ 5/6
RXD-F4 ONLY
POWER ON 3.6V
★CN8
S DATA
PRO CLK
S CLK
PRO DT
PRO ST
THR SW
POWER
CR MUTE
CR RELAY
TO X08 A/2 WH2
Ⓖ 5/6

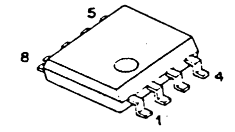

C81 1000P
R121 680 1/4W
J4
★Ⓒ
R123 680 1/4W
R122 680 1/4W
R124 680 1/4W
C82 1000P
★W263
★C189 100μ50
★R125
★L1
J5
Lch
Rch
SPEAKER OUT
OMNI OUT
★R126
★L2
★C190 100μ50
W264
D38 D36
D39 D37
C171 C170
MAIN ON/OFF RELAY
WH3
K1
D19
Q30
R194
MAIN ON/OFF SWITCH
J101
WH2
J12
J13
RXD-F41 K, R, P TYPE
X09-(B/4)
AC OUTLET ON/OFF RELAY
WH3
D40
K4
J6
120V
X09-(D/4)
X09-(C/4)
TF 150°C
CN111 CN112 WH108
F1 6A 125V
C144 6800P 250
CN202
WH106 WH107
0V
POWER TRANSFORMER AC120V 60Hz
R273 3.3M 1/2W
RXD-F3/ 42 M TYPE
240V
TF 150°C
X09-(C/4)
X09-(D/4)
T3.15AL250V F1
CN111 CN112
C144 6800P 250
CN202
X09-(B/4)
WHT RED GRY BRN BLU
S1
AC110-120V 220V 230-240V
CN109 F2 CN110
T3.15AL250V
POWER TRANSFORMER AC110-120/220/230-240V~ 50/60Hz
RXD-F4 M, Y TYPE
240V
TF 150°C
X09-(C/4)
X09-(D/4)
T3.15AL 250V F1
CN111 CN112
C144 6800P 250
CN202
X08-(B/2)
WH3
T1.6AL 250V F8
CN3 CN4
C7 0.01
CN6 CN5
F9
T1.6AL 250V
X09-(B/4)
S1
POWER TRANSFORMER AC110-120/220/230-240V~ 50/60Hz
0V
CN109 CN110
F2 T3.15AL 250V
X09-(D/4)
★W110
120V
CN101 CN102
★F3
★C500 1000P
CN103 CN104
★F4
CN105 CN106
★F5
CN107 CN108
★F6
X08-(B/2) RXD-F4 K, R, P TYPE
CN3 F8 CN4
C7 0.01 2.5A 250V
CN6 CN5
F9 2.5A 250V
WH3
0V
RXD-F3/F4 K, R, P TYPE
X09-(C/4)
6A 125V
TF 150°C
CN111 F1 CN112 WH108
R273 3.3M 1/2W
C144 6800P 250
CN202
X09-(D/4)
POWER TRANSFORMER AC120V 60Hz
RXD-F3 X, E, G. TYPE
RXD-F3L T TYPE
240V(X)
230V(E, T, G)
X09-(C/4)
TF 150°C
X09-(D/4)
C144 6800P 250
CN201 or CN202
0V
POWER TRANSFORMER X TYPE AC240- 50Hz E, T, G TYPE AC230- 50Hz
RXD-F4 X, E, G, TYPE
RXD-F4L T TYPE
240V(X)
230V(E, T, G)
TF 150°C
X09-(C/4)
X09-(D/4)
C144 6800P 250
CN202
POWER TRANSFORMER X TYPE AC240- 50Hz E, T, G TYPE AC230- 50Hz
X08-(B/2)
WH3
T1 6AL250V
CN3 F8 CN4
C7 0.01
CN6 CN5
F9 T1.6AL250V
0V
TO X14 CN1
Ⓚ 5/6
TO X14 CN2
Ⓜ 5/6
TO X08 WH3
Ⓙ 5/6

RXD-F3/F4/F41/F42(4/6)(K)

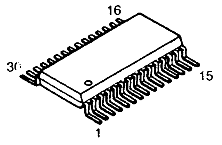
UPC1297CA



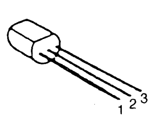
NJM4565M
NJM4565MD



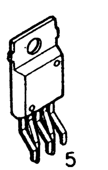
NJU7313AM



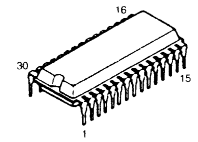
M5237L



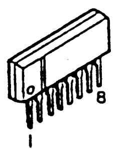
TDA2050V



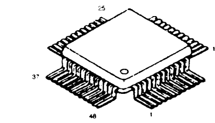
LA1836



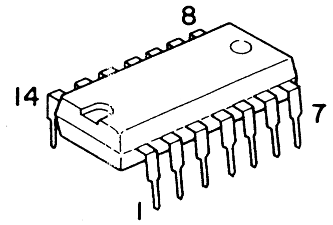
NJM4565L-D



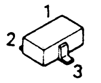
CXA1782BQ



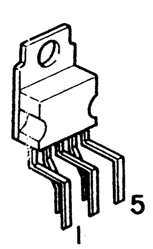
M65844P



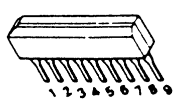
UN5212



TDA2040V



TA8125S
TA8409S



aute
des
sure

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U geringfügig.

Y39-2130-11

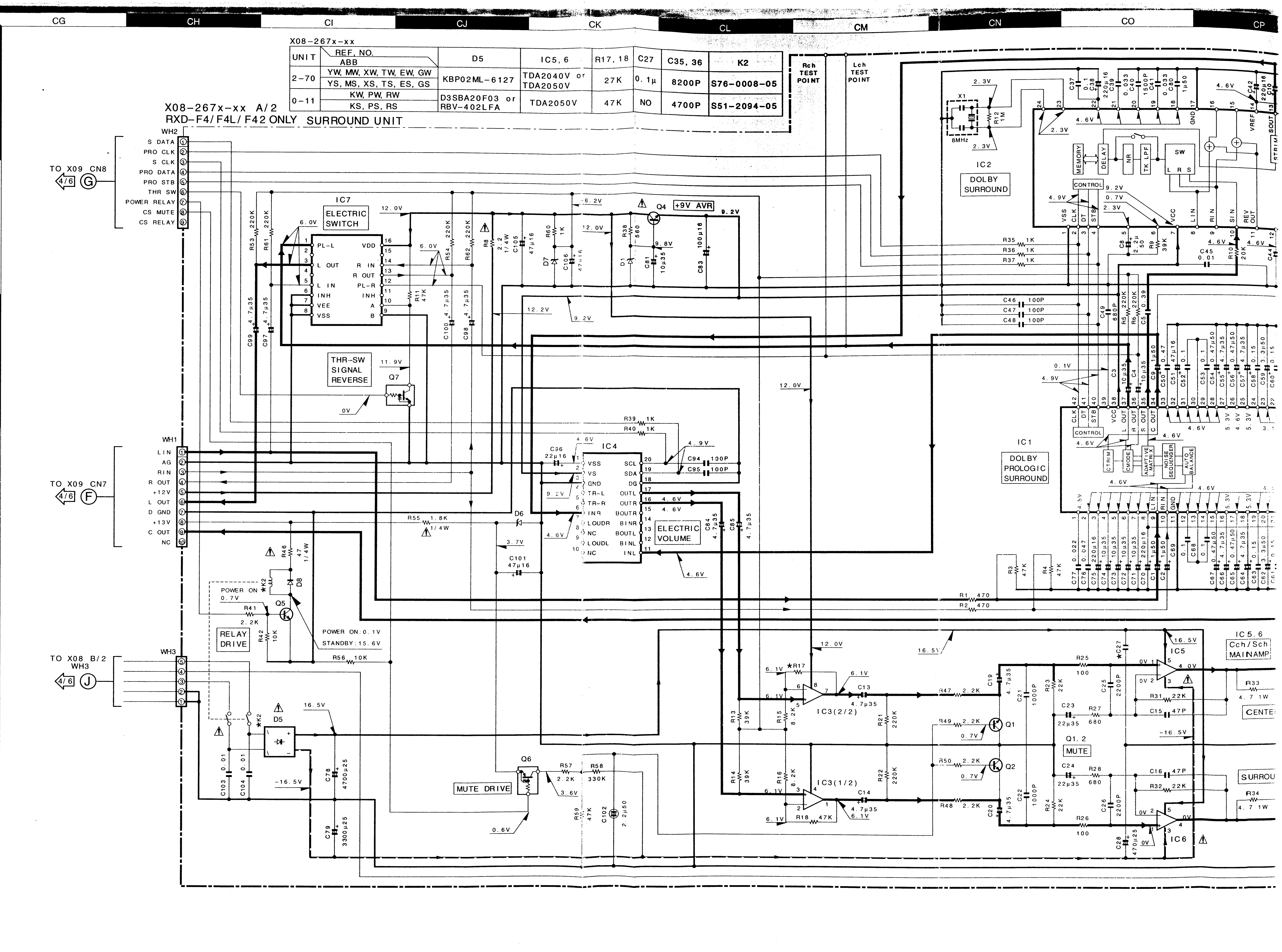
RXD-F3/F4/F41/F42

KENWOOD

X08-267x-xx

UNIT	REF. NO. / ABB	D5	IC5, 6	R17, 18	C27	C35, 36	K2
2-70	YW, MW, XW, TW, EW, GW YS, MS, XS, TS, ES, GS	KBP02ML-6127	TDA2040V or TDA2050V	27K	0.1µ	8200P	S76-0008-05
0-11	KW, PW, RW KS, PS, RS	D3SBA20F03 or RBV-402LFA	TDA2050V	47K	NO	4700P	S51-2094-05

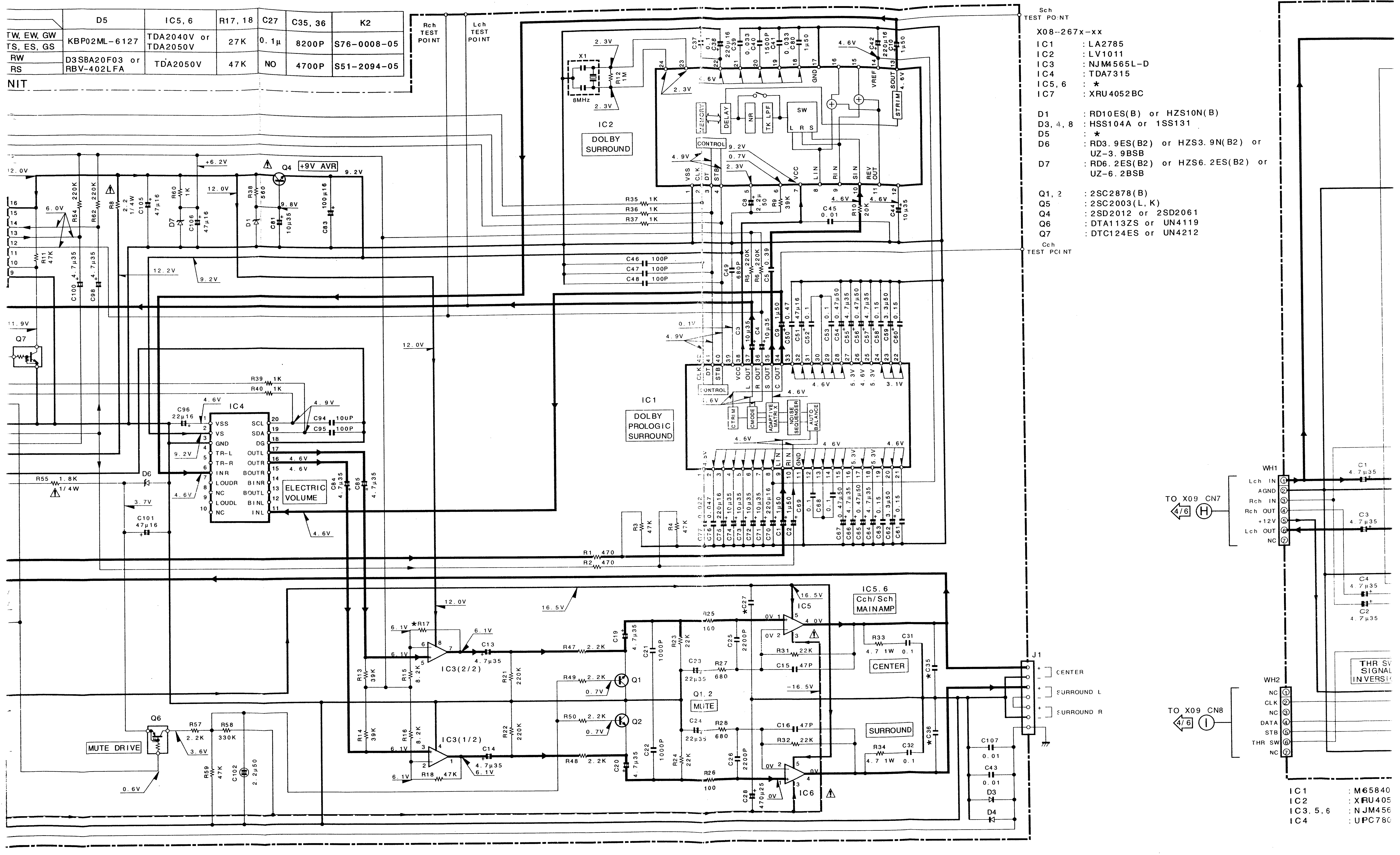
X08-267x-xx A/2
RXD-F4/F4L/F42 ONLY SURROUND UNIT


CG
CH
CI
CJ
CK
CL
CM
CN
CO
CP
1
2
3
4
5
6
7
Rch TEST POINT
Lch TEST POINT
WH2
S DATA
PRO CLK
S CLK
PRO DATA
PRO STB
THR SW
POWER RELAY
CS MUTE
CS RELAY
TO X09 CN8
4/6
G
IC7
ELECTRIC SWITCH
PL-L
L OUT
L IN
INH
VEE
VSS
VDD
R IN
R OUT
PL-R
A
B
Q4
+9V AVR
9.2V
12.0V
6.2V
6.0V
THR-SW SIGNAL REVERSE
Q7
11.9V
0V
WH1
L IN
AG
R IN
R OUT
+12V
L OUT
D GND
+13V
C OUT
NC
TO X09 CN7
F
IC4
ELECTRIC VOLUME
SCL
SDA
DG
OUTL
OUTR
BOUTR
BINR
BOUTL
BINL
INL
TR-L
TR-R
INR
LOUDR
LOUDL
R39 1K
R40 1K
C94 100P
C95 100P
C96 22µ16
4.9V
4.6V
9.2V
R55 1.8K 1/4W
D6
3.7V
C101 47µ16
R46 47 1/4W
K2
D8
POWER ON 0.7V
R41 2.2K
Q5
R42 10K
RELAY DRIVE
POWER ON: 0.1V
STANDBY: 15.6V
R56 10K
TO X08 B/2 WH3
J
WH3
D5
16.5V
-16.5V
C103 0.01
C104 0.01
C78 4700µ25
C79 3300µ25
Q6
MUTE DRIVE
R57 2.2K
R58 330K
3.6V
0.6V
R59 47K
C102 2.2µ50
IC2
DOLBY SURROUND
X1
8MHz
R12 1M
2.3V
MEMORY
DELAY
NR
TK LPF
SW
CONTROL
VSS
CLK
DT
STB
VCC
LIN
RIN
SIN
REV OUT
VREF
SOUT
STRIM
R35 1K
R36 1K
R37 1K
C45 0.01
R10 20K
C46 100P
C47 100P
C48 100P
C49 680P
IC1
DOLBY PROLOGIC SURROUND
CTRIM
CMODE
ADAPTIVE MATRIX
NOISE SEQUENCER
AUTO BALANCE
R1 470
R2 470
R3 47K
R4 47K
IC3(2/2)
IC3(1/2)
R17
R18 47K
C13 4.7µ35
C14 4.7µ35
R13 39K
R14 39K
R15 8.2K
R16 8.2K
R21 220K
R22 220K
R47 2.2K
R48 2.2K
R49 2.2K
R50 2.2K
Q1
Q2
Q1, 2
MUTE
C19 4.7µ35
C20 4.7µ35
C21 1000P
C22 1000P
R23 22K
R24 22K
C23 22µ35
C24 22µ35
R27 680
R28 680
R25 100
R26 100
C25 2200P
C26 2200P
C27
C28 470µ25
IC5
IC6
IC5.6
Cch/Sch MAINAMP
R31 22K
R32 22K
C15 47P
C16 47P
R33 4.7 1W
R34 4.7 1W
CENTE
SURROU
16.5V
-16.5V
12.0V
6.1V
4.0V

X11–3600–00 RXD-

	D5	IC5, 6	R17, 18	C27	C35, 36	K2
TW, EW, GW TS, ES, GS	KBP02ML–6127	TDA2040V or TDA2050V	27K	0. 1μ	8200P	S76–0008–05
RW RS	D3SBA20F03 or RBV–402LFA	TDA2050V	47K	NO	4700P	S51–2094–05

NIT



Rch TEST POINT
Lch TEST POINT
Sch TEST POINT
Cch TEST POINT
X1
8MHz
R12 1M
2. 3V
IC2
DOLBY SURROUND
MEMORY
DELAY
NR
TK LPF
SW
L R S
CONTROL
VSS CLK DT STB VCC L IN R IN S IN REV OUT
VREF SOUT STRIM
GND
4. 6V
9. 2V
0. 7V
4. 9V
C37 C38 C39 C40 C41 C42 C10 C8 C9 C44 C45
R35 1K R36 1K R37 1K
R9 39K R10 20K
C46 100P C47 100P C48 100P
C49 680P R5 220K R6 220K C5 0. 39
Q4 +9V AVR
12. 0V 6. 2V 9. 8V 12. 2V 11. 9V 6. 0V
R54 220K R62 220K R8 2. 2 1/4W C105 47μ16 R60 1K R38 560 D7 C106 47μ16 D1 C81 10μ35 C83 100μ16
R11 47K C100 4. 7μ35 C98 4. 7μ35
Q7
IC4
ELECTRIC VOLUME
VSS VS GND TR-L TR-R INR LOUDR NC LOUDL NC SCL SDA DG OUTL OUTR BOUTR BINR BOUTL BINL INL
R39 1K R40 1K C94 100P C95 100P C96 22μ16 C84 4. 7μ35 C85 4. 7μ35
R55 1. 8K 1/4W D6 3. 7V C101 47μ16
IC1
DOLBY PROLOGIC SURROUND
CTRIM CMODE ADAPTIVE MATRIX NOISE SEQUENCER AUTO BALANCE
L OUT R OUT S OUT C OUT L IN R IN GND
C3 C4 C50 C51 C52 C53 C54 C55 C56 C57 C58 C59 C60
C77 C76 C75 C74 C73 C72 C71 C70 C1 C2 C69 C68 C67 C66 C65 C64 C63 C62 C61
R3 47K R4 47K
R1 470 R2 470
IC3(2/2) IC3(1/2)
R17 R18 47K R13 39K R14 39K R15 8. 2K R16 8. 2K R21 220K R22 220K
C13 4. 7μ35 C14 4. 7μ35
6. 1V 12. 0V 16. 5V –16. 5V
R47 2. 2K R48 2. 2K R49 2. 2K R50 2. 2K
Q1 Q2 0. 7V
Q1, 2 MUTE
C19 4. 7μ35 C20 4. 7μ35 C21 1000P C22 1000P R23 22K R24 22K
C23 22μ35 C24 22μ35 R27 680 R28 680 C25 2200P C26 2200P
R25 100 R26 100 C27 C28 470μ25
IC5 IC6
IC5. 6 Cch/Sch MAINAMP
R31 22K R32 22K C15 47P C16 47P
R33 4. 7 1W C31 0. 1 R34 4. 7 1W C32 0. 1
C35 C36
CENTER
SURROUND
Q6 MUTE DRIVE
R57 2. 2K R58 330K R59 47K C102 2. 2μ50
3. 6V 0. 6V
J1
CENTER
SURROUND L
SURROUND R
C107 0. 01 C43 0. 01 D3 D4
TO X09 CN7 4/6 H
WH1
Lch IN AGND Rch IN Rch OUT +12V Lch OUT NC
TO X09 CN8 4/6 I
WH2
NC CLK NC DATA STB THR SW NC
C1 4. 7μ35 C3 4. 7μ35 C4 4. 7μ35 C2 4. 7μ35
THR SW SIGNAL INVERSI

X08–267x–xx

IC1 : LA2785
IC2 : LV1011
IC3 : NJM4565L–D
IC4 : TDA7315
IC5, 6 : ★
IC7 : XRU4052BC

D1 : RD10ES(B) or HZS10N(B)
D3, 4, 8 : HSS104A or 1SS131
D5 : ★
D6 : RD3. 9ES(B2) or HZS3. 9N(B2) or UZ–3. 9BSB
D7 : RD6. 2ES(B2) or HZS6. 2ES(B2) or UZ–6. 2BSB

Q1, 2 : 2SC2878(B)
Q5 : 2SC2003(L, K)
Q4 : 2SD2012 or 2SD2061
Q6 : DTA113ZS or UN4119
Q7 : DTC124ES or UN4212

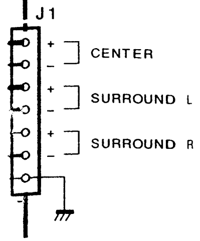
IC1 : M65840
IC2 : XRU405
IC3, 5, 6 : NJM456
IC4 : UPC780

Sch
TEST POINT

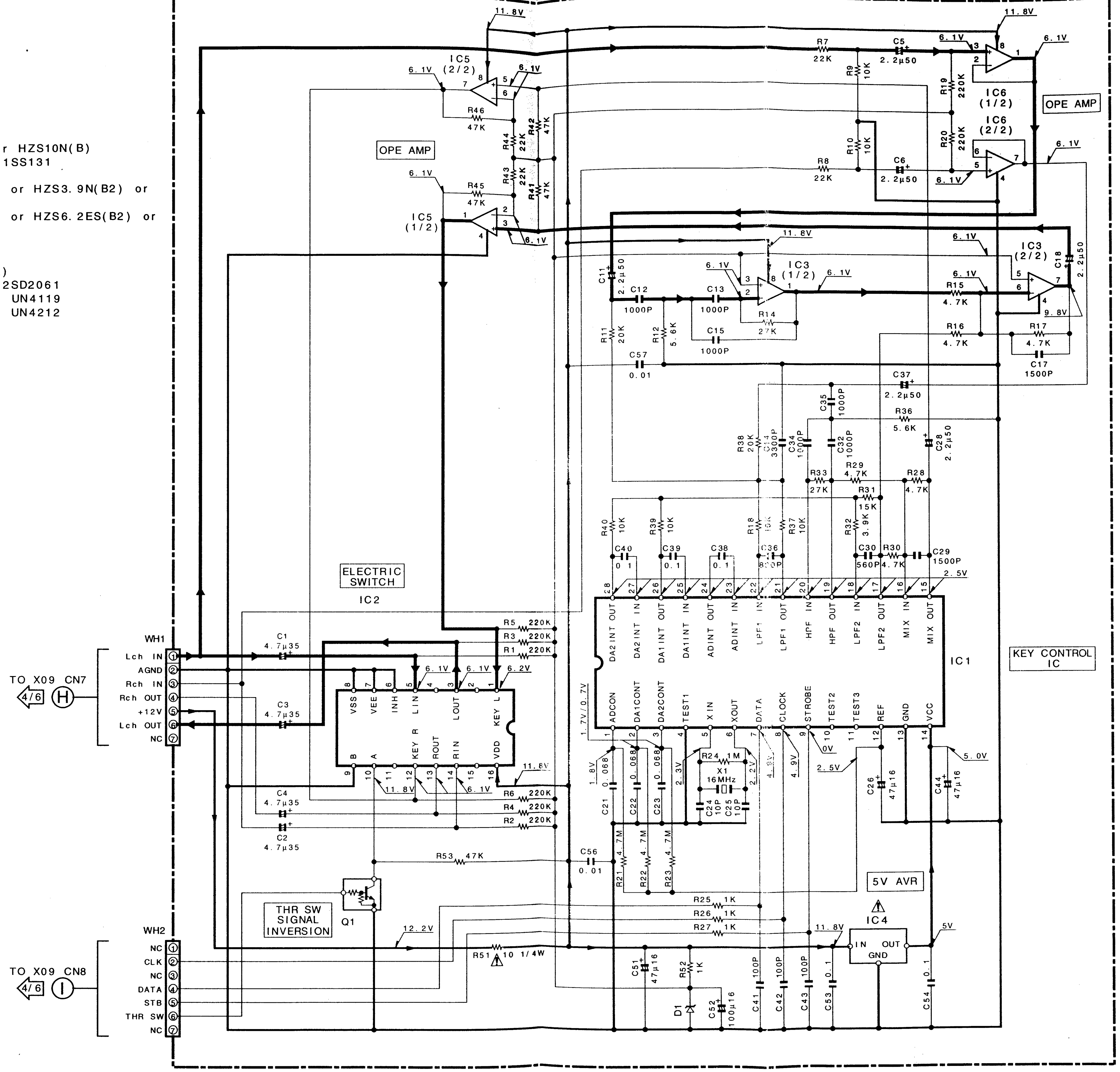
X08-267x-xx

IC1	: LA2785
IC2	: LV1011
IC3	: NJM4565L-D
IC4	: TDA7315
IC5, 6	: ★
IC7	: XRU4052BC
D1	: RD10ES(B) or HZS10N(B)
D3, 4, 8	: HSS104A or 1SS131
D5	: ★
D6	: RD3. 9ES(B2) or HZS3. 9N(B2) or UZ-3. 9BSB
D7	: RD6. 2ES(B2) or HZS6. 2ES(B2) or UZ-6. 2BSB
Q1, 2	: 2SC2878(B)
Q5	: 2SC2003(L, K)
Q4	: 2SD2012 or 2SD2061
Q6	: DTA113ZS or UN4119
Q7	: DTC124ES or UN4212

Cch
TEST POINT


J1
CENTER
SURROUND L
SURROUND R

X11-3600-00 RXD-F42 ONLY CONTOL UNIT


TO X09 CN7
4/6
H
WH1
Lch IN ①
AGND ②
Rch IN ③
Rch OUT ④
+12V ⑤
Lch OUT ⑥
NC ⑦
TO X09 CN8
4/6
I
WH2
NC ①
CLK ②
NC ③
DATA ④
STB ⑤
THR SW ⑥
NC ⑦
ELECTRIC SWITCH
IC2
VSS VEE INH LIN LOUT KEY L
B A KEY R ROUT RIN VDD
C1 4.7µ35
C3 4.7µ35
C4 4.7µ35
C2 4.7µ35
R5 220K
R3 220K
R1 220K
R6 220K
R4 220K
R2 220K
6.1V
6.2V
11.8V
OPE AMP
IC5 (2/2)
IC5 (1/2)
R46 47K
R45 47K
R44 22K
R42 47K
R43 22K
R41 47K
11.8V
6.1V
OPE AMP
IC6 (1/2)
IC6 (2/2)
R7 22K
R8 22K
R9 10K
R10 10K
C5 2.2µ50
C6 2.2µ50
R19 220K
R20 220K
IC3 (1/2)
IC3 (2/2)
C11 2.2µ50
C12 1000P
C13 1000P
C15 1000P
R14 27K
R11 20K
R12 5.6K
C57 0.01
R15 4.7K
R16 4.7K
R17 4.7K
C17 1500P
C18 2.2µ50
9.8V
C37 2.2µ50
C35 1000P
R36 5.6K
R38 20K
C34 3300P
C33 1000P
C32 1000P
C28 2.2µ50
R29 4.7K
R33 27K
R31 15K
R28 4.7K
R32 3.9K
R40 10K
R39 10K
R18 10K
R37 10K
C40 0.1
C39 0.1
C38 0.1
C36 820P
C30 560P
R30 4.7K
C29 1500P
2.5V
IC1
DA2INT OUT DA2INT IN DA1INT OUT DA1INT IN ADINT OUT ADINT IN LPF1 IN LPF1 OUT HPF IN HPF OUT LPF2 IN LPF2 OUT MIX IN MIX OUT
ADCON DA1CONT DA2CONT TEST1 XIN XOUT DATA CLOCK STROBE TEST2 TEST3 REF GND VCC
KEY CONTROL IC
1.7V/0.7V
1.8V
2.3V
4.9V
0V
2.5V
5.0V
C21 0.068
C22 0.068
C23 0.068
R24 1M
X1 16MHz
C24 10P
C25 10P
C26 47µ16
C44 47µ16
R21 4.7M
R22 4.7M
R23 4.7M
C56 0.01
R53 47K
5V AVR
THR SW SIGNAL INVERSION
Q1
R25 1K
R26 1K
R27 1K
12.2V
11.8V
5V
IC4
IN OUT GND
R51 10 1/4W
C51 47µ16
R52 1K
D1
C52 100µ16
C41 100P
C42 100P
C43 100P
C53 0.1
C54 0.1

IC1	: M65840SP	Q1	: DTC124ES or UN4212
IC2	: XRU4052BC		
IC3, 5, 6	: NJM4565L-D	D1	: RD6. 2ES(B2) or HZS6. 2N(B2) or UZ-6. 2BSB
IC4	: UPC7805AHF or TA7805S		

SIGNAL LINE
GND LINE
+B LINE
-B LINE

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

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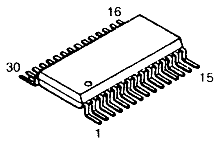
DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

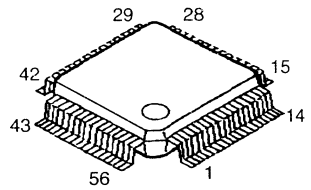
Les tensions c.c doivent être mesurées avec un voltmétre á haute impédance Les valeurs peuvent différer légérement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U geringfügig.

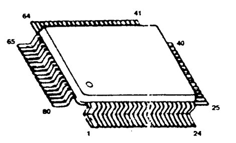
NJU7313AM



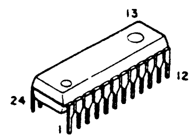
HA12182F


29
28
42
15
43
14
56
1

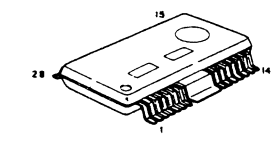
CXD2508AQ



LC7218
LV1011



BA6398FP



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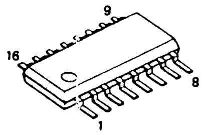

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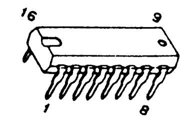
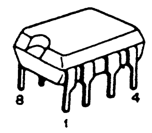


BA10393
XRA15218-DX



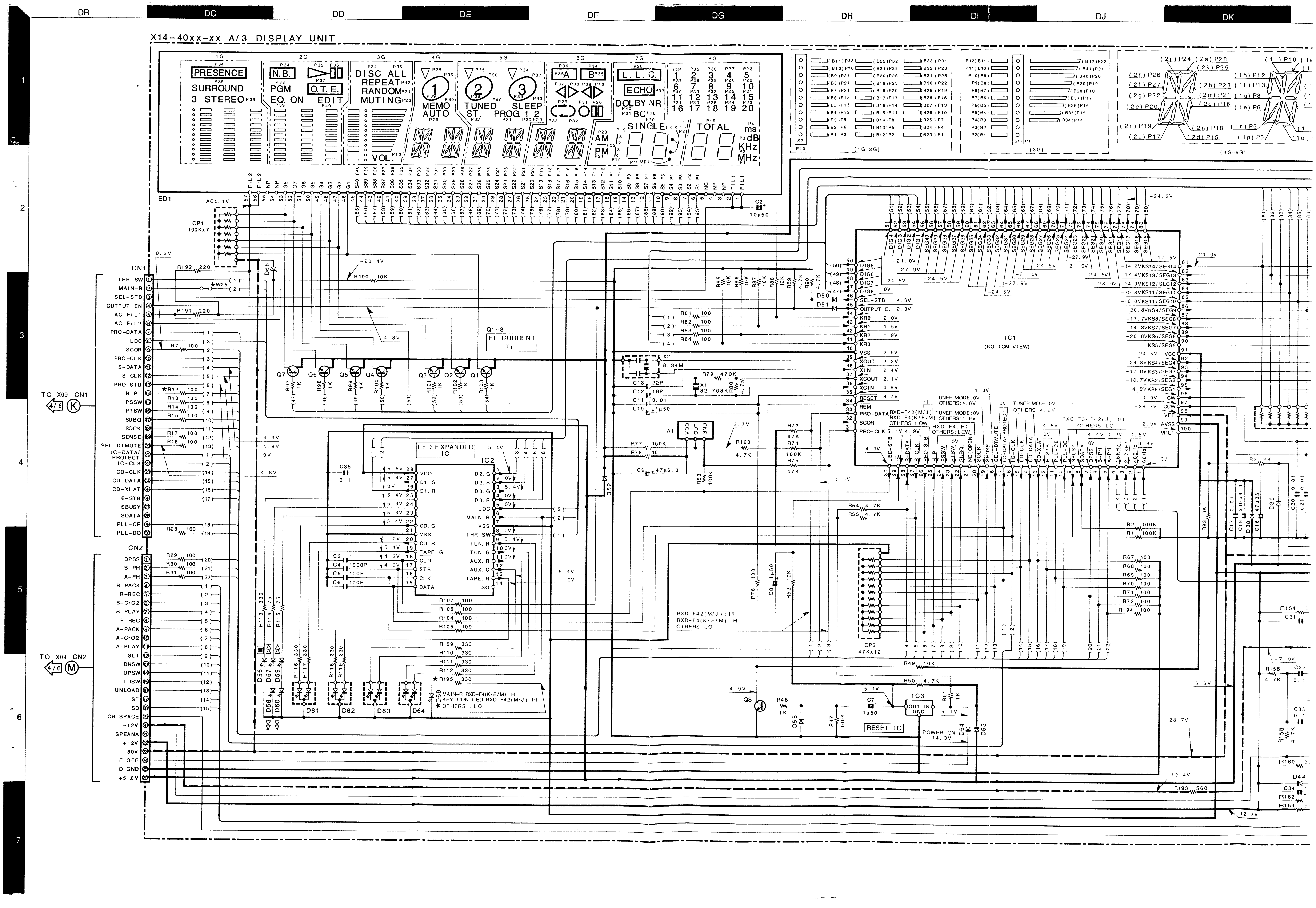
RXD-F3/F4/F41/F42(5/6)(K)

Y39-2130-11

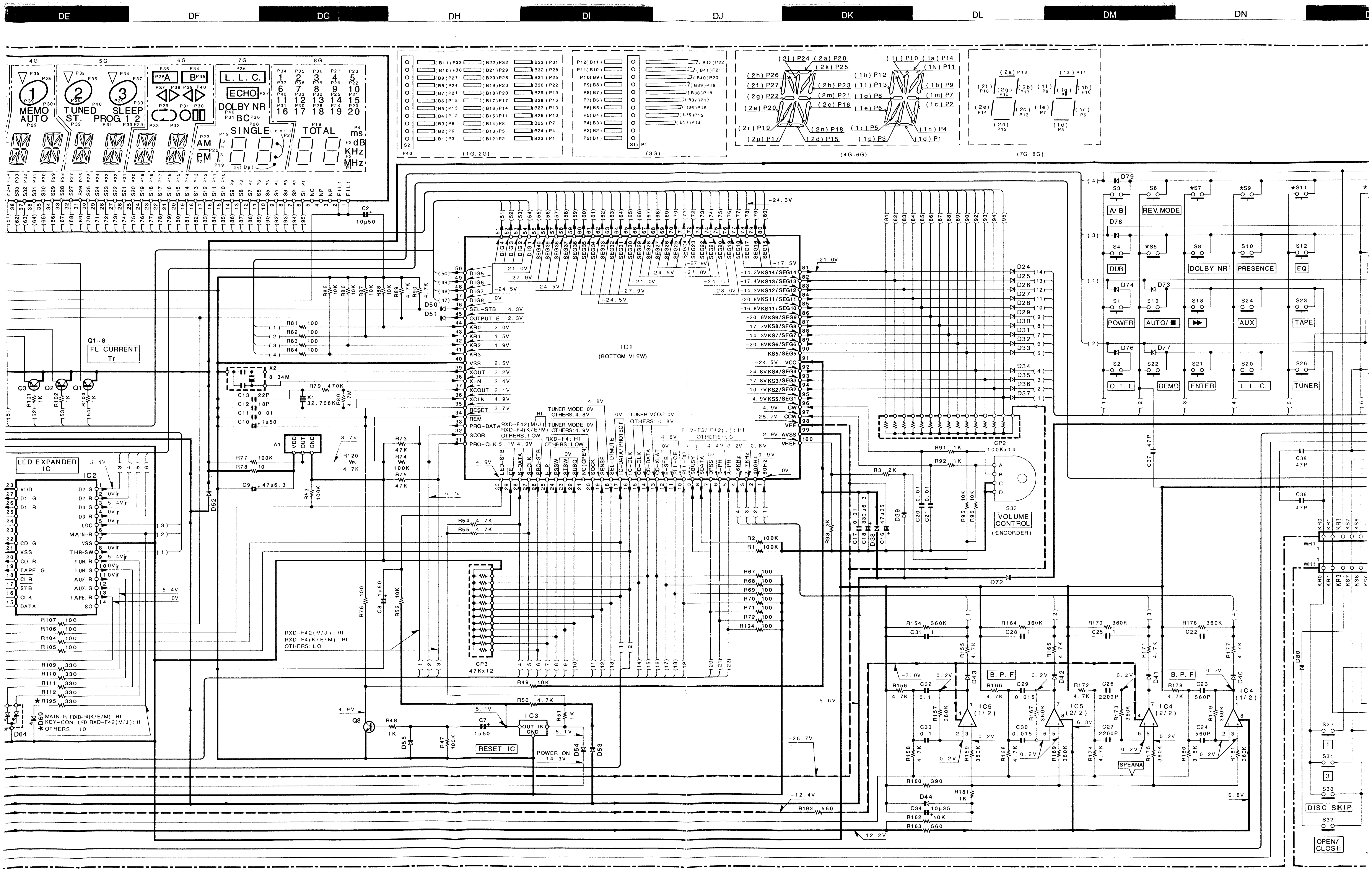
RXD-F3/F4/F41/F42

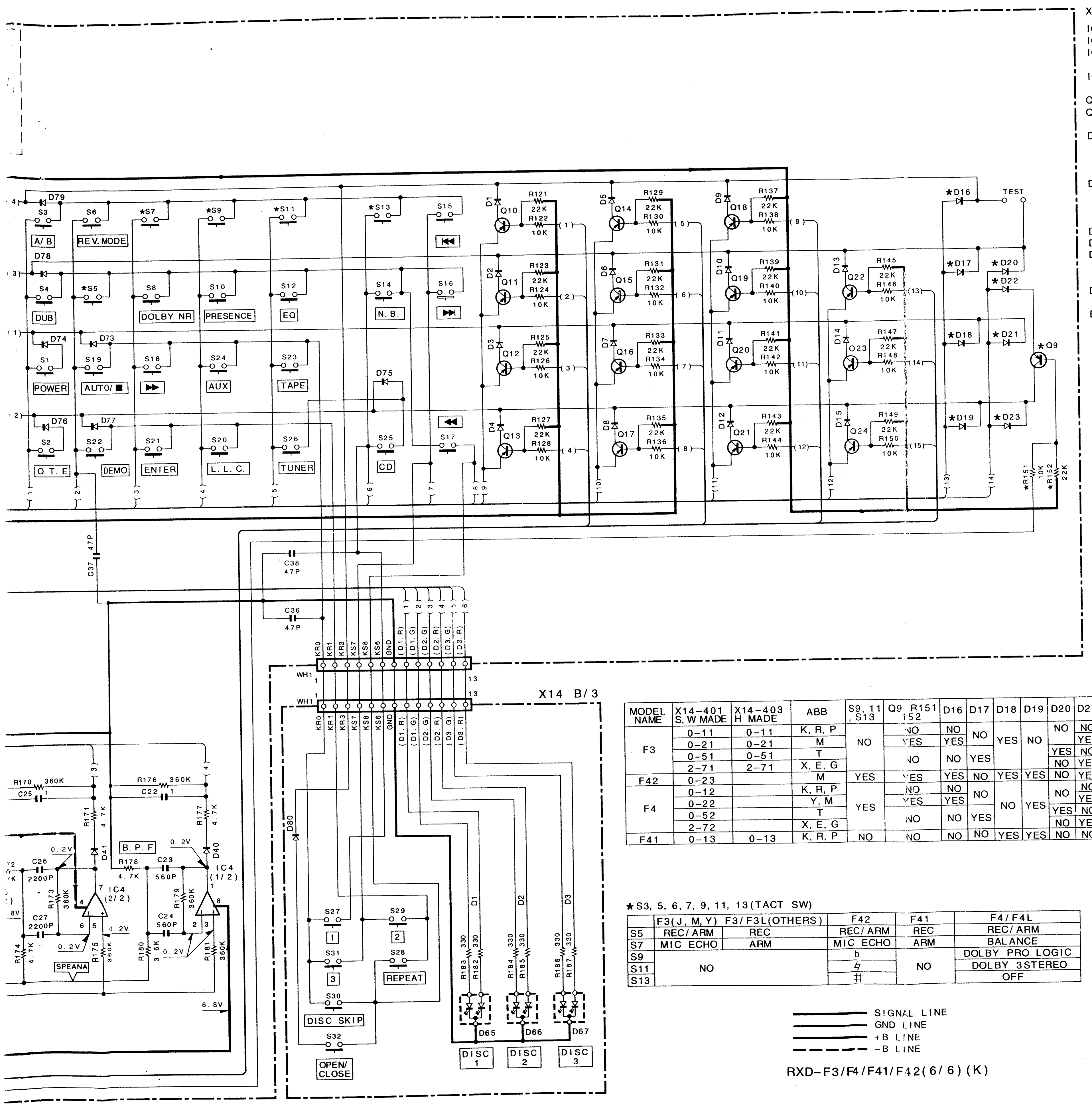
KENWOOD

X14-40xx-xx A/3 DISPLAY UNIT



DB
DC
DD
DE
DF
DG
DH
DI
DJ
DK
1
2
3
4
5
6
7
PRESENCE
SURROUND
3 STEREO
N.B.
PGM
EQ. ON
O.T.E.
EDIT
DISC ALL
REPEAT
RANDOM
MUTING
VOL.
MEMO
AUTO
TUNED
ST.
PROG. 1 2
SLEEP
L. L. C.
ECHO
DOLBY NR
BC
SINGLE
TOTAL
AM
PM
ms
dB
KHz
MHz
ED1
AC5. 1V
CP1
100Kx7
(1G, 2G)
(3G)
(4G-6G)
CN1
THR-SW
MAIN-R
SEL-STB
OUTPUT EN
AC FIL1
AC FIL2
PRO-DATA
LDC
SCOR
PRO-CLK
S-DATA
S-CLK
PRO-STB
H. P.
PSSW
PTSW
SUBQ
SQCK
SENSE
SEL-DTMUTE
IC-DATA/PROTECT
IC-CLK
CD-CLK
CD-DATA
CD-XLAT
E-STB
SBUSY
SDATA
PLL-CE
PLL-DO
TO X09 CN1
4/6
K
CN2
DPSS
B-PH
A-PH
B-PACK
R-REC
B-CrO2
B-PLAY
F-REC
A-PACK
A-CrO2
A-PLAY
SLT
DNSW
UPSW
LDSW
UNLOAD
ST
SD
CH. SPACE
-12V
SPEANA
+12V
-30V
F. OFF
D. GND
+5. 6V
TO X09 CN2
4/6
M
Q1~8
FL CURRENT
Tr
LED EXPANDER
IC
IC2
IC1
(BOTTOM VIEW)
A1
IC3
RESET IC
POWER ON
: 14. 3V
X1
32. 768K
X2
8. 34M
CP3
47Kx12
RXD-F42(M/J) : HI
RXD-F4(K/E/M) : HI
OTHERS : LO
MAIN-R RXD-F4(K/E/M) : HI
KEY-CON-LED RXD-F42(M/J) : HI
★OTHERS : LO
TUNER MODE: 0V
OTHERS: 4. 8V
RXD-F3/F42(J) : HI
OTHERS: LO
-24. 3V
-23. 4V
-21. 0V
-28. 7V
-12. 4V
-7. 0V
12. 2V
5. 6V


DE
DF
DG
DH
DI
DJ
DK
DL
DM
DN
(1G, 2G)
(3G)
(4G-6G)
(7G, 8G)
MEMO
AUTO
TUNED
ST.
SLEEP
PROG. 1 2
L. L. C.
ECHO
DOLBY NR
BC
SINGLE
TOTAL
AM
PM
ms
dB
KHz
MHz
IC1
(BOTTOM VIEW)
Q1~8
FL CURRENT
Tr
LED EXPANDER
IC
IC2
X1
32.768K
X2
8.34M
A1
VDD
OUT
GND
IC3
OUT IN
GND
RESET IC
POWER ON
: 14.3V
CP2
100KX14
CP3
47Kx12
S33
VOLUME
CONTROL
(ENCORDER)
RXD-F42(M/J) : HI
RXD-F4(K/E/M) : HI
OTHERS : LO
MAIN-R RXD-F4(K/E/M) : HI
KEY-CON-LED RXD-F42(M/J) : HI
OTHERS : LO
TUNER MODE: 0V
OTHERS: 4.8V
TUNER MODE: 0V
OTHERS: 4.9V
RXD-F4: HI
OTHERS: LOW
A/B
REV. MODE
DUB
DOLBY NR
PRESENCE
EQ
POWER
AUTO/■
▶▶
AUX
TAPE
O.T.E
DEMO
ENTER
L. L. C.
TUNER
B.P.F
B.P.F
IC5
(1/2)
IC5
(2/2)
IC4
(2/2)
IC4
(1/2)
SPEANA
DISC SKIP
OPEN/
CLOSE
WH1
-24.3V
-21.0V
-17.5V
-12.4V
-26.7V
12.2V
5.6V
6.8V


X14 B/3
WH1
KR0 KR1 KR2 KR3 KS7 KS8 KS6 GND (D1.R) (D1.G) (D2.R) (D2.G) (D3.G) (D3.R)
A/B
REV. MODE
DUB
DOLBY NR
PRESENCE
EQ
N. B.
POWER
AUTO/■
AUX
TAPE
O. T. E
DEMO
ENTER
L. L. C.
TUNER
CD
TEST
S1 S2 S3 S4 ★S5 S6 ★S7 S8 ★S9 S10 ★S11 S12 ★S13 S14 S15 S16 S17 S18 S19 S20 S21 S22 S23 S24 S25 S26
Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18 Q19 Q20 Q21 Q22 Q23 Q24 ★Q9
R121 22K R122 10K
★D16 ★D17 ★D18 ★D19 ★D20 ★D21 ★D22 ★D23
C36 47P
C37 47P
C38 47P
B. P. F
IC4 (1/2)
IC4 (2/2)
SPEANA
0. 2V
6. 8V
S27 1
S29 2
S31 3
S28 REPEAT
S30 DISC SKIP
S32 OPEN/ CLOSE
D65 D66 D67
DISC 1
DISC 2
DISC 3
D80

X14 A/3, B/3

IC1	: M38198MC-053FP
IC2	: NJU3718G
IC3	: S-806D-Z or PST993D-T
IC4, 5	: NJM4565D
Q1~8	: 2SC4081
Q9~24	: 2SA1576
D1~15, 17~21 23, 28~39, 44 50~55, 72 75~80	: 1SS131 or HSS104A
D16, 22, 24~27, 40~43, 70, 71, 73, 74	: MA111
D56~60	: B30-2462-05
D61~67	: B30-2476-05
D68	: RD5. 1ES(B2) or HZS5. 1N(B2) or UZ-5. 1BSB (F4, F42 ONLY)
D69	: B30-1291-05
ED1	: BJ344GK or FIP8AMW6R

MODEL NAME	X14-401 S, W MADE	X14-403 H MADE	ABB	S9, 11, S13	Q9 R151 152	D16	D17	D18	D19	D20	D21	D22	D23	D69 R195	R12	W25
F3	0-11	0-11	K, R, P	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO	NO	NO	NO
	0-21	0-21	M		YES	YES					YES	YES				
	0-51	0-51	T		NO	NO	YES			YES	NO	NO				
	2-71	2-71	X, E, G							NO	YES		YES			
F42	0-23		M	YES	YES	YES	NO	YES	YES	NO	YES	YES	NO	YES	NO	NO
F4	0-12		K, R, P	YES	NO	NO	NO	NO	YES	NO	NO	NO	NO	NO	YES	YES
	0-22		Y, M		YES	YES					YES	YES				
	0-52		T		NO	NO	YES			YES	NO	NO				
	2-72		X, E, G							NO	YES		YES			
F41	0-13	0-13	K, R, P	NO	NO	NO	NO	YES	YES	NO	NO	NO	NO	NO	NO	YES

★S3, 5, 6, 7, 9, 11, 13(TACT SW)

	F3(J, M, Y)	F3/F3L(OTHERS)	F42	F41	F4/F4L
S5	REC/ARM	REC	REC/ARM	REC	REC/ARM
S7	MIC ECHO	ARM	MIC ECHO	ARM	BALANCE
S9	NO		b	NO	DOLBY PRO LOGIC
S11			ϟ		DOLBY 3STEREO
S13			♯		OFF

━━━━ SIGNAL LINE
──── GND LINE
━━━━ +B LINE
– – – –B LINE

RXD-F3/F4/F41/F42(6/6)(K)

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

DOLBY and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Noise reduction circuit made under license from Dolby Laboratories Licensing Corporation.

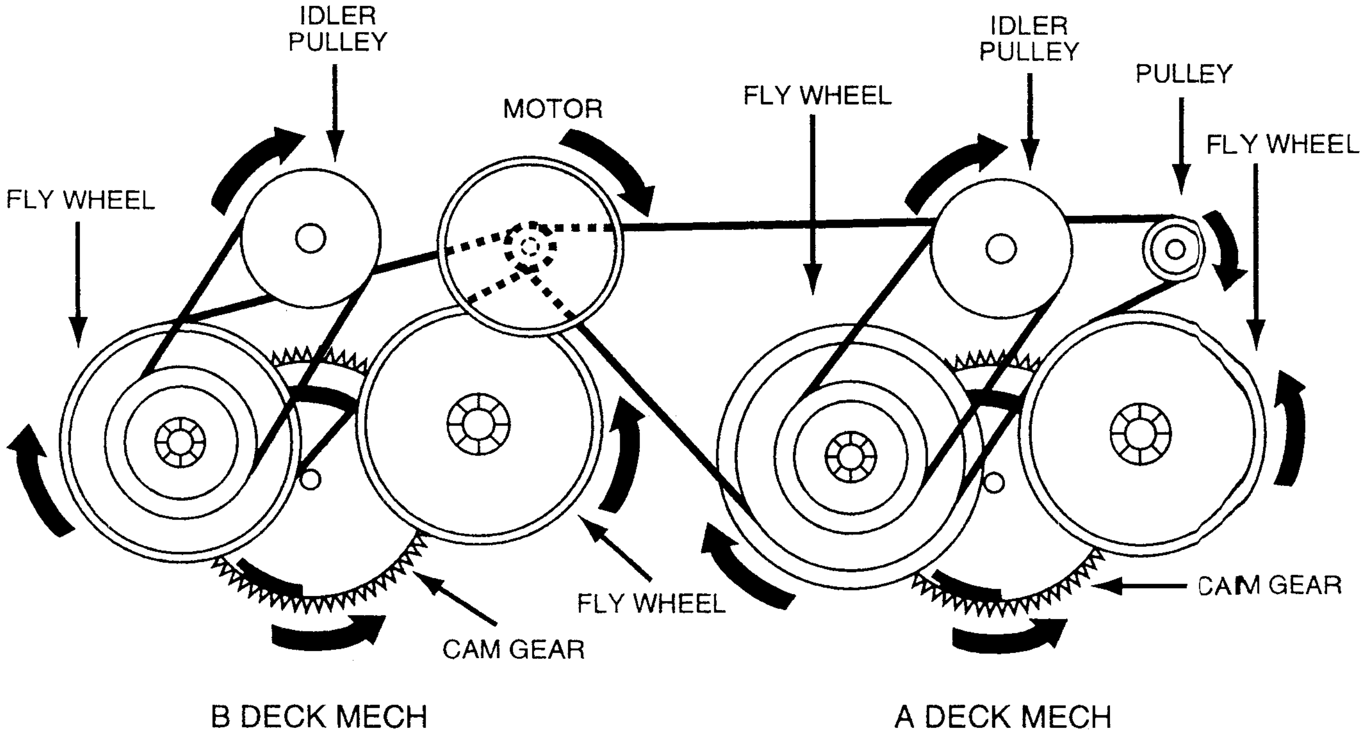
DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c doivent être mesurées avec un voltmétre á haute impédance Les valeurs peuvent différer légérement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U geringfügig.

CASSETTE MECHANISM DESCRIPTION

How to drive the double cassette deck with one motor

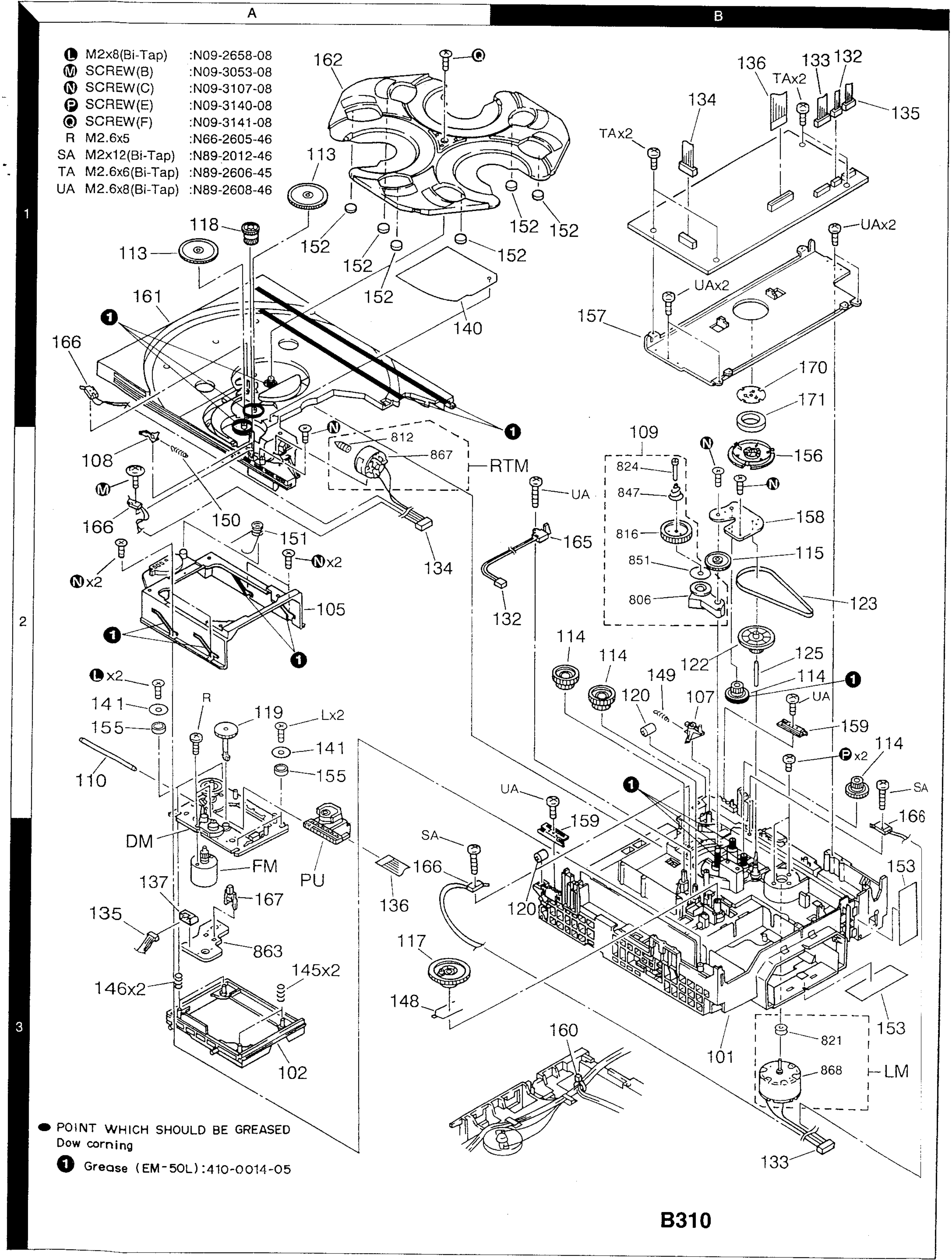

IDLER PULLEY
FLY WHEEL
MOTOR
FLY WHEEL
IDLER PULLEY
PULLEY
FLY WHEEL
FLY WHEEL
CAM GEAR
CAM GEAR
B DECK MECH
A DECK MECH

REAR VIEW

ONE MOTOR RVS MECH (GT-2400W)

EXPLODED VIEW(CD MECHANISM)

Ⓛ	M2x8(Bi-Tap)	:N09-2658-08
Ⓜ	SCREW(B)	:N09-3053-08
Ⓝ	SCREW(C)	:N09-3107-08
Ⓟ	SCREW(E)	:N09-3140-08
Ⓠ	SCREW(F)	:N09-3141-08
R	M2.6x5	:N66-2605-46
SA	M2x12(Bi-Tap)	:N89-2012-46
TA	M2.6x6(Bi-Tap)	:N89-2606-45
UA	M2.6x8(Bi-Tap)	:N89-2608-46


A
B
1
2
3
162
Ⓠ
113
118
113
152
152
152
152
152
152
152
161
140
166
❶
108
Ⓜ
150
Ⓝ
812
867
RTM
166
151
Ⓝx2
134
Ⓝx2
105
❶
❶
Ⓛx2
141
155
110
R
119
Lx2
141
155
DM
FM
PU
137
167
135
863
146x2
145x2
102
136
133
132
TAx2
135
134
TAx2
UAx2
UAx2
157
170
171
109
824
847
816
851
806
Ⓝ
156
Ⓝ
158
115
123
UA
165
132
114
114
122
125
114
❶
149
120
107
UA
159
Ⓟx2
114
SA
166
153
UA
159
SA
166
136
120
117
148
160
101
153
821
868
LM
133
B310

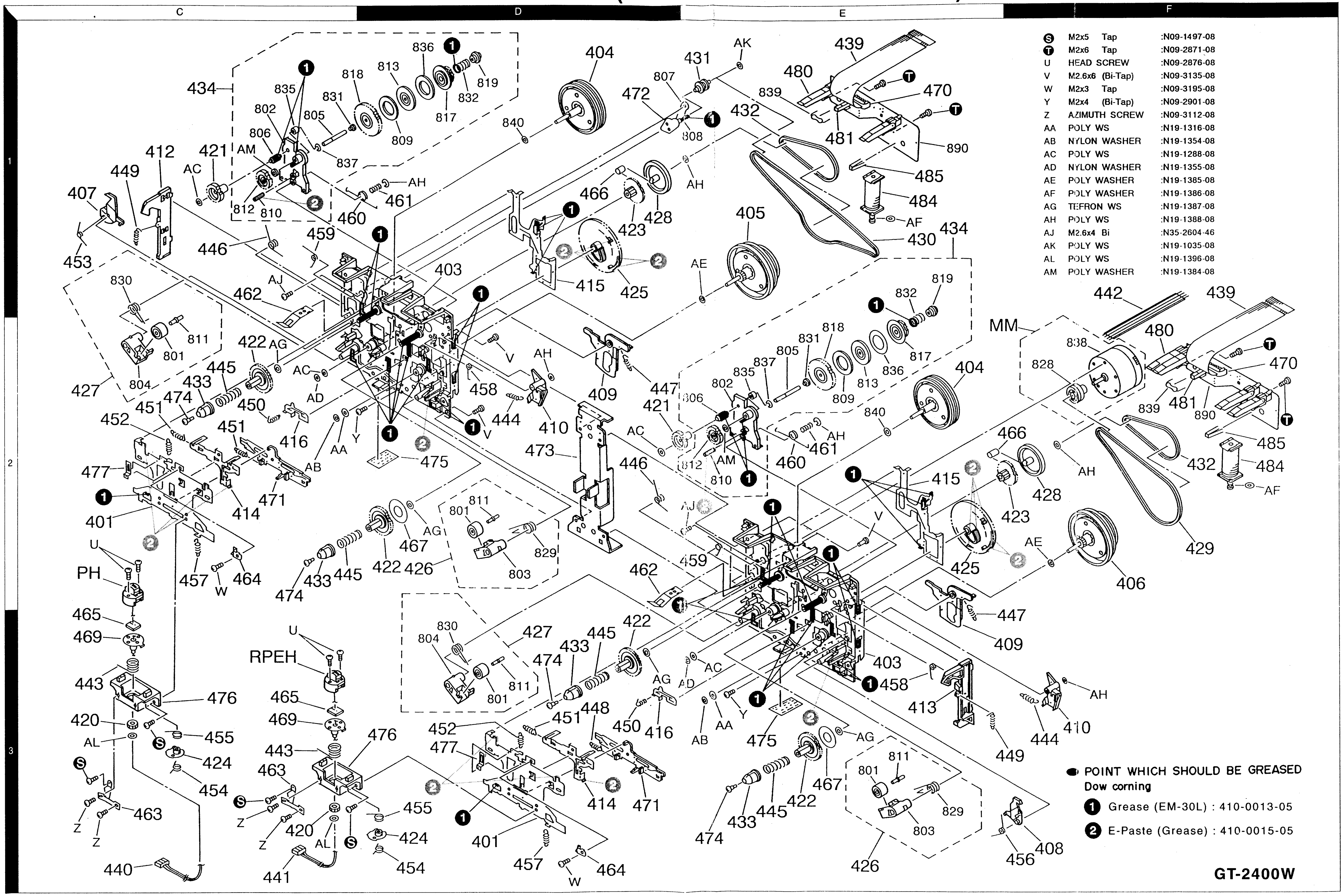
● POINT WHICH SHOULD BE GREASED
Dow corning

❶ Grease (EM-50L):410-0014-05

Parts with the exploded numbers larger than 700 are not supplied.

RXD-F3/F4/F41/F42 RXD-F3/F4/F41/F42

EXPLODED VIEW(CASSETTE DECK MECHANISM)



C
D
E
F
1
2
3
434
835
802
806
818
813
836
831
805
809
837
817
832
819
812
810
AM
AH
840
404
431
AK
807
472
808
439
480
839
470
432
481
890
485
484
AF
430
412
421
449
407
AC
461
460
459
446
453
466
428
423
405
415
425
AE
403
830
462
AJ
811
801
804
427
422
AG
445
433
474
451
450
416
AD
452
477
414
471
401
U
PH
457
W
464
465
469
443
420
AL
455
424
454
463
Z
440
441
RPEH
476
AB
AA
Y
V
475
458
444
410
409
473
447
467
426
829
803
442
MM
838
828
429
406
413
448
408
456

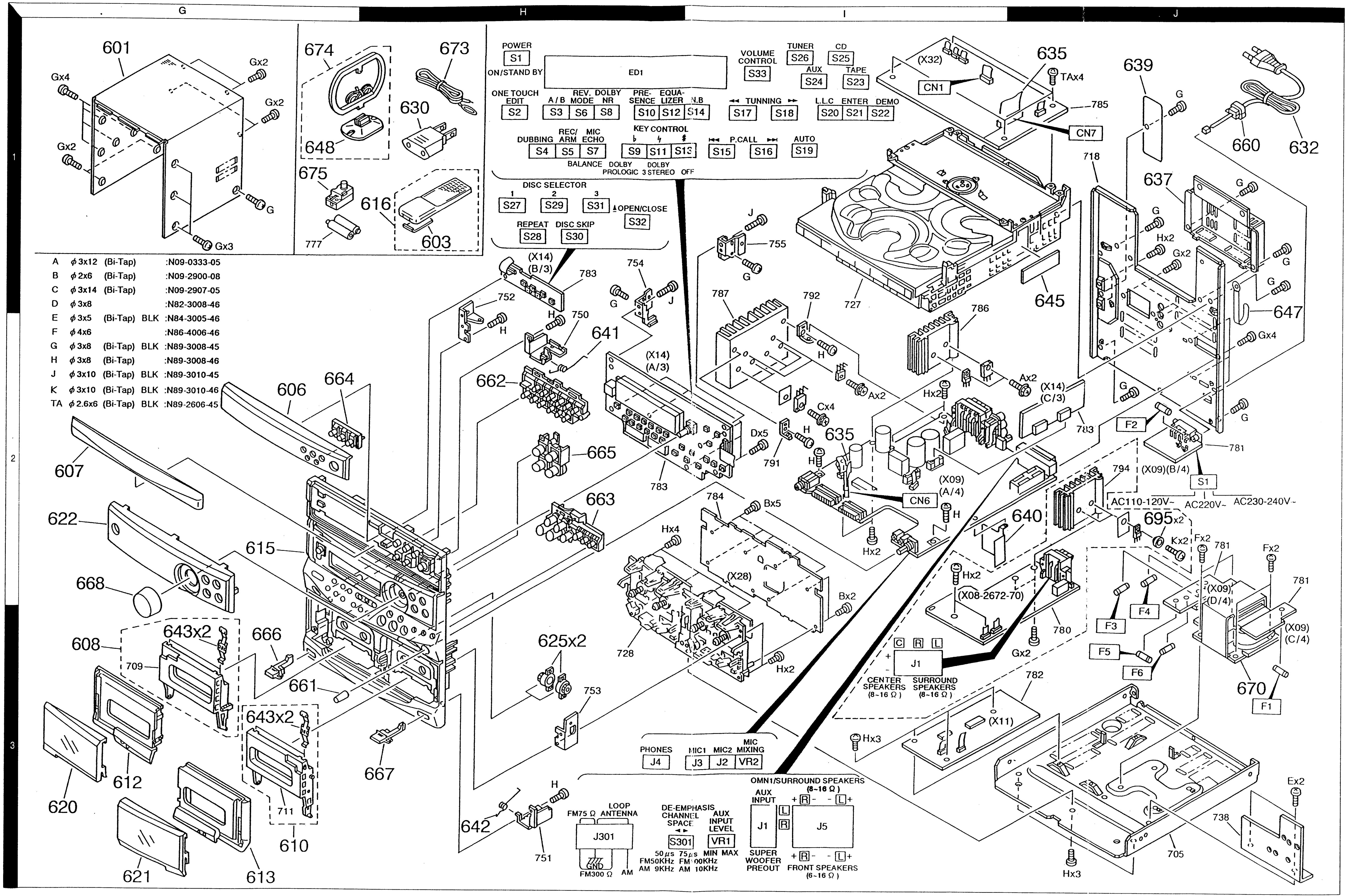
Ⓢ	M2x5 Tap	:N09-1497-08
Ⓣ	M2x6 Tap	:N09-2871-08
U	HEAD SCREW	:N09-2876-08
V	M2.6x6 (Bi-Tap)	:N09-3135-08
W	M2x3 Tap	:N09-3195-08
Y	M2x4 (Bi-Tap)	:N09-2901-08
Z	AZIMUTH SCREW	:N09-3112-08
AA	POLY WS	:N19-1316-08
AB	NYLON WASHER	:N19-1354-08
AC	POLY WS	:N19-1288-08
AD	NYLON WASHER	:N19-1355-08
AE	POLY WASHER	:N19-1385-08
AF	POLY WASHER	:N19-1386-08
AG	TEFRON WS	:N19-1387-08
AH	POLY WS	:N19-1388-08
AJ	M2.6x4 Bi	:N35-2604-46
AK	POLY WS	:N19-1035-08
AL	POLY WS	:N19-1396-08
AM	POLY WASHER	:N19-1384-08

● POINT WHICH SHOULD BE GREASED
Dow corning
❶ Grease (EM-30L) : 410-0013-05
❷ E-Paste (Grease) : 410-0015-05

GT-2400W

Parts with the exploded numbers larger than 700 are not supplied.

EXPLODED VIEW(UNIT)


G
H
I
J
1
2
3
601
Gx4
Gx2
Gx2
Gx2
G
Gx3
674
673
630
648
675
616
603
777
POWER
S1
ON/STAND BY
ED1
VOLUME CONTROL
S33
TUNER
S26
CD
S25
AUX
S24
TAPE
S23
ONE TOUCH EDIT
S2
A / B
S3
REV. MODE
S6
DOLBY NR
S8
PRE-SENCE
S10
EQUA-LIZER
S12
N.B
S14
◄◄ TUNNING ►►
S17
S18
L.L.C
S20
ENTER
S21
DEMO
S22
DUBBING
S4
REC/ ARM
S5
MIC ECHO
S7
KEY CONTROL
♭ ♮ ♯
S9
S11
S13
BALANCE
DOLBY PROLOGIC
DOLBY 3 STEREO
OFF
⏮ P.CALL ⏭
S15
S16
AUTO
S19
DISC SELECTOR
1
S27
2
S29
3
S31
▲OPEN/CLOSE
S32
REPEAT
S28
DISC SKIP
S30
(X32)
CN1
635
TAx4
785
CN7
639
G
660
632
718
637
G
Hx2
Gx2
G
G
647
Gx4
645
727
755
J
G
787
792
786
(X14) (B/3)
783
754
G
J
752
H
H
750
641
662
(X14) (A/3)
H
Ax2
Hx2
Cx4
Ax2
(X14) (C/3)
783
G
F2
G
781
606
664
607
665
Dx5
791
H
635
H
794
(X09)(B/4)
S1
CN6
(X09) (A/4)
H
AC110-120V~
AC220V~
AC230-240V~
783
663
784
Bx5
622
Hx4
640
695x2
Kx2
Fx2
781
Fx2
615
Hx2
Hx2
(X08-2672-70)
781
(X09) (D/4)
(X28)
668
Bx2
F3
F4
780
(X09) (C/4)
608
643x2
666
709
625x2
728
Hx2
C R L
J1
Gx2
F5
F6
CENTER SPEAKERS (8~16 Ω)
SURROUND SPEAKERS (8~16 Ω)
782
670
F1
661
753
(X11)
643x2
Hx3
620
612
667
PHONES
J4
MIC1
J3
MIC2
J2
MIC MIXING
VR2
711
H
642
610
751
FM75 Ω
LOOP ANTENNA
J301
GND
FM300 Ω
AM
DE-EMPHASIS CHANNEL SPACE
◄ ►
S301
50 μs 75 μs
FM50KHz FM100KHz
AM 9KHz AM 10KHz
AUX INPUT LEVEL
VR1
MIN MAX
OMN1/SURROUND SPEAKERS (8~16 Ω)
AUX INPUT
J1
L
R
+ R - - L +
J5
SUPER WOOFER PREOUT
+ R - - L +
FRONT SPEAKERS (6~16 Ω)
Ex2
738
705
Hx3
621
613

A	ϕ3x12	(Bi-Tap)		:N09-0333-05
B	ϕ2x6	(Bi-Tap)		:N09-2900-08
C	ϕ3x14	(Bi-Tap)		:N09-2907-05
D	ϕ3x8			:N82-3008-46
E	ϕ3x5	(Bi-Tap)	BLK	:N84-3005-46
F	ϕ4x6			:N86-4006-46
G	ϕ3x8	(Bi-Tap)	BLK	:N89-3008-45
H	ϕ3x8	(Bi-Tap)		:N89-3008-46
J	ϕ3x10	(Bi-Tap)	BLK	:N89-3010-45
K	ϕ3x10	(Bi-Tap)	BLK	:N89-3010-46
TA	ϕ2.6x6	(Bi-Tap)	BLK	:N89-2606-45

Parts with the exploded numbers larger than 700 are not supplied.

∗ New Parts
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Teile ohne **Parts No.** werden nicht geliefert.

NO. 1

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
				RXD-F3/L		
601	1G	∗	A01-3231-01	METALLIC CABINET		
603	1H		A09-0170-08	BATTERY COVER		
606	2G	∗	A21-1870-32	DRESSING PANEL (CD)		1
606	2G	∗	A21-1871-22	DRESSING PANEL (CD)		H
607	2G	∗	A29-0397-02	PANEL (CD TRAY)		
608	3G		A53-1468-03	CASSETTE HOLDER ASSY(A DECK)		1
608	3G		A53-1837-13	CASSETTE HOLDER ASSY(A DECK)		H
610	3G		A53-1470-03	CASSETTE HOLDER ASSY(B DECK)		1
610	3G		A53-1839-13	CASSETTE HOLDER ASSY(B DECK)		H
612	3G	∗	A53-1862-02	CASSETTE LID (A DECK)		1
612	3G	∗	A53-1869-02	CASSETTE LID (A DECK)		H
613	3G	∗	A53-1864-02	CASSETTE LID (B DECK)		1
613	3	∗	A53-1873-02	CASSETTE LID (B DECK)		H
615	2G	∗	A60-0730-11	PANEL	M	1
615	2G	∗	A60-0732-11	PANEL	KRPXTE	1
615	2G	∗	A60-0732-11	PANEL	G	1
615	2G	∗	A60-0742-11	PANEL	M	H
615	2G	∗	A60-0743-11	PANEL	KRPXTE	H
615	2G	∗	A60-0743-11	PANEL	G	H
616	1H	∗	A70-1020-05	REMOTE CONTROLLER ASSY(RC-F3)		
620	3G	∗	B10-2100-13	FRONT GLASS (A DECK)		1
620	3G	∗	B10-2111-13	FRONT GLASS (A DECK)		H
621	3G	∗	B10-2101-13	FRONT GLASS (B DECK)		1
621	3G	∗	B10-2112-13	FRONT GLASS (B DECK)		H
622	2G	∗	B10-2107-02	FRONT GLASS (RECEIVER)	MI	1
622	2G	∗	B10-2109-12	FRONT GLASS (RECEIVER)	KRPXEG	1
622	2G	∗	B10-2110-12	FRONT GLASS (RECEIVER)	T	1
622	2G	∗	B10-2114-02	FRONT GLASS (RECEIVER)	M	H
622	2G	∗	B10-2115-12	FRONT GLASS (RECEIVER)	KRPXEG	H
622	2G	∗	B10-2116-12	FRONT GLASS (RECEIVER)	T	H
			B46-0096-53	WARRANTY CARD	X	
-			B46-0121-33	WARRANTY CARD	P	
-		∗	B46-0307-23	WARRANTY CARD	K	
-			B46-0310-03	WARRANTY CARD	TEG	
-		∗	B46-0319-00	QUESTIONAIRE CARD	T	
-			B58-0964-13	CAUTION CARD (UL)	KR	
-		∗	B58-0965-13	CAUTION CARD (PL)	XT	
-		∗	B58-0966-13	CAUTION CARD (PL)	MEI	
-		∗	B58-0967-03	CAUTION CARD (PL)	P	
-		∗	B58-0970-13	CAUTION CARD (R,G TYPE PL)	RG	
-		∗	B60-2170-00	INSTRUCTION MANUAL(ENGLISH)	T	
-		∗	B60-2171-00	INSTRUCTION MANUAL(ENGLISH)	KRP	
-		∗	B60-2172-00	INSTRUCTION MANUAL(FRENCH)	PE	
-		∗	B60-2173-00	INSTRUCTION MANUAL(GERMANY)	EG	
-		∗	B60-2174-00	INSTRUCTION MANUAL(DENT)	E	
		∗	B60-2175-00	INSTRUCTION MANUAL(ITALY)	E	
-		∗	B60-2176-00	INSTRUCTION MANUAL(SPANISH)	RE	
-		∗	B60-2177-10	INSTRUCTION MANUAL(CHINESES)	MI	
-		∗	B60-2178-10	INSTRUCTION MANUAL(TIWAN)	M	
-		∗	B60-2255-00	INSTRUCTION MANUAL(ENGLISH)	MXI	
-		∗	B60-2256-00	INSTRUCTION MANUAL(SPANISH)	M	
625	3H	∗	D39-0322-05	DAMPER		

L:Scandinavia **K**: USA **P**: Canada **H**: HUIZHOU made
Y: PX(Far East, Hawaii) **T**: England **E**:Europe **1**: SINGAPORE, MALAYSIA made common
Y:AAFES(Europe) **X**: Australia **M**: Other Areas
⚠ indicates safety critical components.

∗ New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

NO. 2

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
⚠ 630	1H		E03-0115-05	AC PLUG ADAPTER	MI	
⚠ 632	1J		E30-2787-05	AC POWER CORD	KRP	
⚠ 632	1J		E30-2788-05	AC POWER CORD	MEGI	
⚠ 632	1J		E30-2790-05	AC POWER CORD	T	
⚠ 632	1J		E30-2791-05	AC POWER CORD	T	
635	2I,1J	∗	E35-1174-05	FLAT CABLE		
637	1J	∗	F07-0757-03	COVER		
639	1J	∗	F20-1432-04	INSULATING SHEET		
-		∗	F10-0980-13	SHIELDING PLATE	TEG	
641	2H	∗	G01-3810-24	TORSION COIL SPRING		
642	3H	∗	G01-3811-24	TORSION COIL SPRING		
643	3G		G02-1057-14	FLAT SPRING		
645	1J	∗	G11-2239-14	CUSHION	KRP	
-		∗	H10-7047-12	POLYSTYRENE FOAMED FIXTURE		
-		∗	H10-7048-12	POLYSTYRENE FOAMED FIXTURE		
-			H13-0086-04	CARTON BOARD		
-			H25-0632-24	PROTECTION BAG	KRPMXE	
-			H25-0632-24	PROTECTION BAG	GI	
-			H25-0644-04	PROTECTION BAG (0632 PRINTED)	T	
-			H25-1509-04	PROTECTION BAG	MI	
-			H25-1536-04	PROTECTION BAG	KRPXTE	
-			H25-1536-04	PROTECTION BAG	G	
-		∗	H50-1487-04	ITEM CARTON CASE	KPX	W
-		∗	H50-1488-04	ITEM CARTON CASE	M	W
-		∗	H50-1489-04	ITEM CARTON CASE	T	W
-		∗	H50-1490-04	ITEM CARTON CASE	REG	W
-		∗	H50-1491-04	ITEM CARTON CASE	KP	H
-		∗	H50-1492-04	ITEM CARTON CASE	MX	H
-		∗	H50-1493-04	ITEM CARTON CASE	REG	H
-		∗	H50-1569-04	ITEM CARTON CASE	KPX	S
-		∗	H50-1570-04	ITEM CARTON CASE	M	S
-		∗	H50-1571-04	ITEM CARTON CASE	T	S
-		∗	H50-1572-04	ITEM CARTON CASE	REG	S
-		∗	H50-1652-04	ITEM CARTON CASE	I	W
647	1J		J19-2808-05	HOLDER	MI	
648	1G		J19-3645-05	AM ANTENNA HOLDER		
⚠ 660	1J		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND	MI	
661	3G		K29-6033-04	KNOB (MIC MIXING)		
662	2H	∗	K29-6135-02	KNOB (DUBB,REC,ARM)		1
662	2H	∗	K29-6138-02	KNOB (DUBB,REC,ARM)		H
663	2H	∗	K29-6121-12	KNOB (TUNING,P.CALL)		1
663	2H	∗	K29-6139-12	KNOB (TUNING,P.CALL)		H
664	1J	∗	K29-6122-13	KNOB (DISC SELECTOR)		1
664	2G	∗	K29-6140-13	KNOB (DISC SELECTOR)		H
665	2H	∗	K29-6123-13	KNOB (INPUT SELECTOR)		1
665	2H	∗	K29-6141-13	KNOB (INPUT SELECTOR)		H
666	3G	∗	K29-6124-14	KNOB (EJECT A)		1
666	3G	∗	K29-6142-14	KNOB (EJECT A)		H
667	3G	∗	K29-6125-14	KNOB (EJECT B)		1
667	3G	∗	K29-6143-14	KNOB (EJECT B)		H
668	2G	∗	K29-6149-14	KNOB (VOLUME CONTROL)		

L:Scandinavia **K**: USA **P**: Canada **W**: MALAYSIA made **H**: HUIZHOU made
Y: PX(Far East, Hawaii) **T**: England **E**:Europe **S**: SINGAPORE made **I**: Malaysia
Y:AAFES(Europe) **X**: Australia **M**: Other Areas
1: SINGAPORE, MALAYSIA made common ⚠ indicates safety critical components.

RXD-F3/F4/F41/F42

PARTS LIST

∗ New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

NO. 3

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
⚠ 670	3J	∗	L07-1924-05	POWER TRANSFORMER	KRP	
⚠ 670	3J	∗	L07-1925-05	POWER TRANSFORMER	TEG	
⚠ 670	3J	∗	L07-1926-05	POWER TRANSFORMER	X	
⚠ 670	3J	∗	L07-1928-05	POWER TRANSFORMER	MI	
B			N09-2900-08	BINDING HEAD TAPTITE SCREW		
673	1H		T90-0182-15	LEAD WIRE ANTENNA		
673	1H		T90-0801-05	LEAD WIRE ANTENNA		
674	1G		T90-0195-05	LOOP ANTENNA		
675	1G		T90-0198-05	ANTENNA ADAPTOR	TEG	
RXD-F4/L						
601	1G	∗	A01-3229-11	METALLIC CABINET		
603	1H		A09-0170-08	BATTERY COVER		
606	2G	∗	A21-1870-32	DRESSING PANEL (CD)		1
607	2G	∗	A29-0397-02	PANEL (CD TRAY)		
608	3G		A53-1468-03	CASSETTE HOLDER ASSY (A DECK)		1
610	3G		A53-1470-03	CASSETTE HOLDER ASSY (B DECK)		1
612	3G	∗	A53-1862-02	CASSETTE LID (A DECK)		1
613	3G	∗	A53-1864-02	CASSETTE LID (B DECK)		1
615	2G	∗	A60-0728-21	PANEL		1
616	1H	∗	A70-1018-05	REMOTECONTROLLER ASSY(RC-F4)		
620	3G	∗	B10-2100-13	FRONT GLASS (A DECK)		1
621	3G	∗	B10-2101-13	FRONT GLASS (B DECK)		1
622	2G	∗	B10-2106-02	FRONT GLASS (RECEIVER)	KRPYMT	1
622	2G	∗	B10-2106-02	FRONT GLASS (RECEIVER)	EG	1
622	2G	∗	B10-2108-02	FRONT GLASS (RECEIVER)	T	1
-			B46-0096-53	WARRANTY CARD	X	
-			B46-0121-33	WARRANTY CARD	P	
-		∗	B46-0307-23	WARRANTY CARD	KY	
-			B46-0310-03	WARRANTY CARD	TEG	
-		∗	B46-0319-00	QUESTIONAIRE CARD	T	
-		∗	B58-0964-13	CAUTION CARD (UL)	KRY	
-		∗	B58-0965-13	CAUTION CARD (PL)	XT	
-		∗	B58-0966-13	CAUTION CARD (PL)	ME	
-		∗	B58-0967-03	CAUTION CARD (PL)	P	
-		∗	B58-0968-04	CAUTION CARD	Y	
-		∗	B58-0970-13	CAUTION CARD (PL)	RG	
-		∗	B59-1104-00	SERVICE DIRECTORY	Y	
-		∗	B60-2145-00	INSTRUCTION MANUAL (ENGLISH)	KT	
-		∗	B60-2146-00	INSTRUCTION MANUAL (FRENCH)	E	
-		∗	B60-2147-00	INSTRUCTION MANUAL (GERMAN)	EG	
-		∗	B60-2148-00	INSTRUCTION MANUAL (DUTCH)	E	
-		∗	B60-2149-00	INSTRUCTION MANUAL (ITALAN)	E	
-		∗	B60-2151-00	INSTRUCTION MANUAL (SPANISH)	E	
-		∗	B60-2251-00	INSTRUCTION MANUAL (ENGLISH)	YMX	
-		∗	B60-2252-00	INSTRUCTION MANUAL (SPANISH)	M	
-		∗	B60-2334-00	INSTRUCTION MANUAL (ENGLISH)	KRP	
-		∗	B60-2335-00	INSTRUCTION MANUAL (FRENCH)	P	
-		∗	B60-2336-00	INSTRUCTION MANUAL (SPANISH)	R	
625	3H	∗	D39-0321-05	DAMPER		
⚠ 630	1H		E03-0115-05	AC PLUG ADAPTER	M	
⚠ 632	1J		E30-2592-15	AC POWER CORD	MEG	
⚠ 632	1J		E30-2605-05	AC POWER CORD	Y	
⚠ 632	1J		E30-2650-05	AC POWER CORD	KRP	

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NO. 4

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
⚠ 632	1J		E30-2717-05	AC POWER CORD	X	
⚠ 632	1J		E30-2721-05	AC POWER CORD	T	
635	1J,2	∗	E35-1129-05	FLAT CABLE		
637	1J	∗	F07-0757-03	COVER		
639	1J	∗	F20-1431-04	INSULATING SHEET		
640		∗	F20-1448-03	INSULATING SHEET		
641	2H	∗	G01-3810-24	TORSION COIL SPRING (A DECK)		
642	3H	∗	G01-3811-24	TORSION COIL SPRING (B DECK)		
643	3G		G02-1040-04	FLAT SPRING		
645	1J	∗	G11-2241-14	CUSHION	KRPY	
-		∗	H10-7017-12	POLYSTYRENE FOAMED FIXTURE		
-		∗	H10-7018-12	POLYSTYRENE FOAMED FIXTURE		
-			H13-0086-04	CARTON BOARD		
-			H25-0632-24	PROTECTION BAG	KRPYMX	
-			H25-0632-24	PROTECTION BAG	EG	
-			H25-0644-04	PROTECTION BAG (0632 PRINTED)	T	
-			H25-1509-04	PROTECTION BAG	M	
-			H25-1536-04	PROTECTION BAG	KRPYXT	
-			H25-1536-04	PROTECTION BAG	EG	
-		∗	H50-1496-04	ITEM CARTON CASE	REG	W
-		∗	H50-1497-04	ITEM CARTON CASE	T	W
-		∗	H50-1500-04	ITEM CARTON CASE	KPYX	W
-		∗	H50-1548-04	ITEM CARTON CASE	M	
-		∗	H50-1563-04	ITEM CARTON CASE	REG	S
-		∗	H50-1564-04	ITEM CARTON CASE	T	S
-		∗	H50-1566-04	ITEM CARTON CASE	KPYX	S
647	1J		J19-2808-05	HOLDER	M	
648	1G		J19-3645-05	AM LOOP ANNTENA STAND		
⚠ 660	1J		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
661	3G		K29-6033-04	KNOB (MIC MIXING)		
662	2H	∗	K29-6120-02	KNOB (DUBB.,REC,ARM)		1
663	2H	∗	K29-6121-12	KNOB (TUNIG,P.COLL)		1
664	2G	∗	K29-6122-13	KNOB (DISC SELECTOR)		1
665	2H	∗	K29-6123-13	KNOB (INPUT SELECTOR)		1
666	3G	∗	K29-6124-14	KNOB (EJECT A)		1
667	3G	∗	K29-6125-14	KNOB (EJECT B)		1
668	2G	∗	K29-6149-14	KNOB (VOLUME CONTROL)		
⚠ 670	3J	∗	L07-1929-05	POWER TRANSFORMER	TEG	
⚠ 670	3J	∗	L07-1930-05	POWER TRANSFORMER	X	
⚠ 670	3J	∗	L07-1954-05	POWER TRANSFORMER	YM	
⚠ 670	3J	∗	L07-2014-05	POWER TRANSFORMER	KRP	
B			N09-2900-08	BINDING HEAD TAPTITE SCRE		W
673	1H		T90-0182-15	LEAD WIRE ANTENNA		
673	1H		T90-0801-05	LEAD WIRE ANTENNA		
674	1G		T90-0195-05	LOOP ANTENNA		
675	1G		T90-0198-05	ANTENNA ADAPTOR	TEG	
RXD-41						
601	1G	∗	A01-3231-01	METALLIC CABINET		
606	2G	∗	A21-1870-32	DRESSING PANEL (CD)		1
606	2G	∗	A21-1871-22	DRESSING PANEL (CD)		H
607	2G	∗	A29-0397-02	PANEL (CD TRAY)		

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RXD-F3/F4/F41/F42

PARTS LIST

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NO. 5

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
608	3G		A53-1468-03	CASSETTE HOLDER ASSY (A DECK)		1
608	3G		A53-1837-13	CASSETTE HOLDER ASSY (A DECK)		H
610	3G	⁎	A53-1470-13	CASSETTE HOLDER ASSY (B DECK)		1
610	3G		A53-1839-13	CASSETTE HOLDER ASSY (B DECK)		H
612	3G	⁎	A53-1862-02	CASSETTE LID (A DECK)		1
612	3G	⁎	A53-1869-02	CASSETTE LID (A DECK)		H
613	3G	⁎	A53-1864-02	CASSETTE LID (B DECK)		1
613	3G	⁎	A53-1873-02	CASSETTE LID (B DECK)		H
615	2G	⁎	A60-0732-11	PANEL		1
615	2G	⁎	A60-0743-11	PANEL		H
616	1H	⁎	A70-1020-05	REMOTE CONTROLLER ASSY(RC-F3)		
620	3G	⁎	B10-2100-13	FRONT GLASS (A DECK)		1
620	3G	⁎	B10-2111-13	FRONT GLASS (A DECK)		H
621	3G	⁎	B10-2101-13	FRONT GLASS (B DECK)		1
621	3G	⁎	B10-2112-13	FRONT GLASS (B DECK)		H
622	2G	⁎	B10-2117-22	FRONT GLASS (RECEIVER)		H
622	2G	⁎	B10-2139-22	FRONT GLASS (RECEIVER)		1
-			B46-0121-33	WARRANTY CARD	P	
-		⁎	B46-0307-23	WARRANTY CARD	K	
-			B58-0964-13	CAUTION CARD (UL)	KR	
-		⁎	B58-0967-03	CAUTION CARD (PL)	P	
-		⁎	B58-0970-13	CAUTION CARD (PL)	R	
-		⁎	B60-2179-00	INSTRUCTION MANUAL (ENGLISH)	KRP	
-		⁎	B60-2180-00	INSTRUCTION MANUAL (FRENCH)	P	
-		⁎	B60-2181-00	INSTRUCTION MANUAL (SPANISH)	R	
625	3H	⁎	D39-0322-05	DAMPER		
⚠ 632	1J		E30-2787-05	AC POWER CORD		
635	1J,2I	⁎	E35-1174-05	FLAT CABLE		
637	1J	⁎	F07-0757-03	COVER		
639	1J	⁎	F20-1432-04	INSULATING SHEET		
641	2H	⁎	G01-3810-24	TORSION COIL SPRING		
642	3H	⁎	G01-3811-24	TORSION COIL SPRING		
643	3G			G02-1057-14 FLAT SPRING		
645	1J	⁎	G11-2239-14	CUSHION		
-		⁎	H10-7047-12	POLYSTYRENE FOAMED FIXTURE		
-		⁎	H10-7048-12	POLYSTYRENE FOAMED FIXTURE		
-			H13-0086-04	CARTON BOARD		
-			H25-0632-24	PROTECTION BAG		
-			H25-1536-04	PROTECTION BAG		
-		⁎	H50-1549-04	ITEM CARTON CASE		H
-		⁎	H50-1561-04	ITEM CARTON CASE		W
-		⁎	H50-1568-04	ITEM CARTON CASE		S
648	1G		J19-3645-05	AM LOOP ANNTENA STAND		
⚠ 660	1J		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
661	3G		K29-6033-04	KNOB (MIC MIXING)		
662	2H	⁎	K29-6135-02	KNOB (DUBB.,REC,ARM)		1
662	2H	⁎	K29-6138-02	KNOB (DUBB.,REC,ARM)		H
663	2H	⁎	K29-6121-12	KNOB (TUNING,P.CALL)		1
663	2H	⁎	K29-6139-12	KNOB (TUNING,P.CALL)		H
664	2G	⁎	K29-6122-13	KNOB (DISC SELECTOR)		1

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NO. 6

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
664	2G	⁎	K29-6140-13	KNOB (DISC SELECTOR)		H
665	2H	⁎	K29-6123-13	KNOB (INPUT SELECTOR)		1
665	2H	⁎	K29-6141-13	KNOB (INPUT SELECTOR)		H
666	3G	⁎	K29-6124-14	KNOB (EJECT A)		1
666	3G	⁎	K29-6142-14	KNOB (EJECT A)		H
667	3H	⁎	K29-6125-14	KNOB (EJECT B)		1
667	3H	⁎	K29-6143-14	KNOB (EJECT B)		H
668	2G	⁎	K29-6149-14	KNOB (VOLUME CONTROL)		
⚠ 670	3J	⁎	L07-1944-05	POWER TRANSFORMER		
B			N09-2900-08	BINDING HEAD TAPTITE SCREW		
673	1H		T90-0801-05	LEAD WIRE ANTENNA		
674	1G		T90-0195-05	LOOP ANTENNA		
				RXD-F42		
601	1G	⁎	A01-3229-11	METALLIC CABINET		
603	1H		A09-0170-08	BATTERY COVER		
606	2G	⁎	A21-1870-32	DRESSING PANEL (CD)		1
607	2G	⁎	A29-0395-12	PANEL (CD TRAY)		
608	3G		A53-1468-03	CASSETTE HOLDER ASSY (A DECK)		1
610	3G		A53-1470-03	CASSETTE HOLDER ASSY (B DECK)		1
612	3G	⁎	A53-1862-02	CASSETTE LID(A DECK)		1
613	3G	⁎	A53-1864-02	CASSETTE LID(B DECK)		1
615	2G	⁎	A60-0720-21	PANEL		1
616	1H	⁎	A70-1020-05	REMOTE CONTROLLER ASSY(RC-F3)		
620	3G	⁎	B10-2100-13	FRONT GLASS (A DECK)		1
621	3G	⁎	B10-2101-13	FRONT GLASS (B DECK)		1
622	2G	⁎	B10-2102-12	FRONT GLASS (RECEIVER)		1
-		⁎	B58-0966-13	CAUTION CARD (ELM)		
-		⁎	B60-2144-00	INSTRUCTION MANUAL(ENGLISH)		
-		⁎	B60-2152-10	INSTRUCTION MANUAL(CHINESE)		
-		⁎	B60-2153-10	INSTRUCTION MANUAL (TAIWANESE)	M	
625	3H	⁎	D39-0321-05	DAMPER		
⚠ 630	1H		E03-0115-05	AC PLUG ADAPTER		
⚠ 632	1J		E30-2592-15	AC POWER CORD		
635	1J,2I	⁎	E35-1129-05	FLAT CABLE (33PIN)		
637	1J	⁎	F07-0757-03	COVER		
639	1J	⁎	F20-1431-04	INSULATING SHEET		
640	2J	⁎	F20-1448-03	INSULATING SHEET		
641	2H	⁎	G01-3766-24	TORSION COIL SPRING		
642	3H	⁎	G01-3767-24	TORSION COIL SPRING		
643	3G		G02-1040-04	FLAT SPRING		
-		⁎	H10-7017-12	POLYSTYRENE FOAMED FIXTURE		
-		⁎	H10-7018-12	POLYSTYRENE FOAMED FIXTURE		
-			H13-0086-04	CARTON BOARD		
-			H25-0632-24	PROTECTION BAG		
-				H25-1509-04 PROTECTION BAG		
-		⁎	H50-1495-04	ITEM CARTON CASE	M	
-		⁎	H50-1651-04	ITEM CARTON CASE	I	
647	1J		J19-2808-05	HOLDER		
648	1G		J19-3645-05	AM LOOP ANNTENA STAND		
⚠ 660	1J		J42-0083-05	POWER CORD BUSHING		

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NO. 7

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
-			J61-0307-05	WIRE BAND		
661	3G			K29-6033-04 KNOB (MIC MIXING)		
662	2H	*	K29-6120-02	KNOB (DUBB.,REC,ARM)		1
663	2H	*	K29-6121-12	KNOB (TUNING,P.CALL)		1
664	2G	*	K29-6122-13	KNOB (DISC SELECTOR)		1
665	2H	*	K29-6123-13	KNOB (INPUT SELECTOR)		1
666	3G	*	K29-6124-14	KNOB (EJECT A)		1
667	3H	*	K29-6125-14	KNOB (EJECT B)		1
668	2G	*	K29-6149-14	KNOB (VOLUME CONTROL)		
⚠ 670	3J	*	L07-1932-05	POWER TRANSFORMER		
B			N09-2900-08	BINDING HEAD TAPTITE SCREW		
673	1H		T90-0182-15	LEAD WIRE ANTENNA		
673	1H		T90-0801-05	LEAD WIRE ANTENNA		
674	1G		T90-0195-05	LOOP ANTENNA		
SURROUND UNIT (X08-267X-XX): RXD-F4/F4L/F42						
C1 ,2			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C3 ,4			CE04LW1V100M	ELECTRO 10UF 35WV		
C5			CF92FV1H394J	MF-C 0.39UF J		
C7			CK45FF1H103Z	CERAMIC 0.010UF Z		
C8			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C9 ,10			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C13 ,14			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C15 ,16			CC45FSL1H470J	CERAMIC 47PF J		
C19 ,20			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C21 ,22			CK45FB1H102K	CERAMIC 1000PF K		
C23 ,24			CE04LW1V220M	ELECTRO 22UF 35WV		
C25 ,26			CK45FB1H222K	CERAMIC 2200PF K		
C27			CQ93FMG1H104J	MYLAR 0.10UF J	YMXTEG	
C28			CE04LW1E471M	ELECTRO 470UF 25WV		
C31 ,32			CQ93FMG1H104J	MYLAR 0.10UF J		
C35 ,36			CK45FF1H472Z	CERAMIC 4700PF Z	KRP	
C35 ,36			CQ93FMG1H822J	MYLAR 8200PF J	YMXTEG	
C37			CQ93FMG1H104J	MYLAR 0.10UF J		
C38			CE04LW1C221M	ELECTRO 220UF 16WV		
C39			CQ93FMG1H333J	MYLAR 0.033UF J		
C40			CQ93FMG1H152J	MYLAR 1500PF J		
C41			CQ93FMG1H333J	MYLAR 0.033UF J		
C42			CE04LW1C221M	ELECTRO 220UF 16WV		
C43			CK45FF1H103Z	CERAMIC 0.010UF Z		
C44			CE04LW1V100M	ELECTRO 10UF 35WV		
C45			CQ93FMG1H103J	MYLAR 0.010UF J		
C46 -48			CC45FSL1H101J	CERAMIC 100PF J		
C49			CQ93FMG1H681J	MYLAR 680PF J		
C50			CF92FV1H474J	MF-C 0.47U J		
C51			CE04LW1C470M	ELECTRO 47UF 16WV		
C52 ,53			CQ93FMG1H104J	MYLAR 0.10UF J		
C54			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C55			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C56			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C57			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C58			CF92FV1H154J	MF-C 0.15UF J		
C59			CE04LW1H3R3M	ELECTRO 3.3UF 50WV		

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NO. 8

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C60 ,61			CF92FV1H154J	MF-C 0.15UF J		
C62			CE04LW1H3R3M	ELECTRO 3.3UF 50WV		
C63			CF92FV1H154J	MF-C 0.15UF J		
C64			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C65			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C66			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C67			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C68 ,69			CQ93FMG1H104J	MYLAR 0.10UF J		
C70			CE04LW1C221M	ELECTRO 220UF 16WV		
C71 -74			CE04LW1V100M	ELECTRO 10UF 35WV		
C75			CE04LW1C221M	ELECTRO 220UF 16WV		
C76			CQ93FMG1H473J	MYLAR 0.047UF J		
C77			CQ93FMG1H223J	MYLAR 0.022UF J		
C78			CE04KW1E472M	ELECTRO 4700UF 25WV		
C79			CE04LW1E332M	ELECTRO 3300UF 25WV		
C80			CF92FV1H105J	MF-C 1.0UF J		
C81			CE04LW1V100M	ELECTRO 10UF 35WV		
C83			CE04LW1C101M	ELECTRO 100UF 16WV		
C84 ,85			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C94 ,95			CC45FSL1H101J	CERAMIC 100PF J		
C96			CE04LW1C220M	ELECTRO 22UF 16WV		
C97 -100			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C101			CE04LW1C470M	ELECTRO 47UF 16WV		
C102			CE04HW1H2R2M	NP-ELEC 2.2UF 50WV		
C103,104			CK45FF1H103Z	CERAMIC 0.010UF Z		
C105,106			CE04LW1C470M	ELECTRO 47UF16W V		
C107			CK45FF1H103Z	CERAMIC 0.010UF Z		
J1			E70-0046-05	LOCK TERMINAL BOARD		
		*	F01-2098-03	HEAT SINK	YMXTEG	
		*	F01-2111-03	HEAT SINK	KRP	
			F20-1339-05	INSULATING BOARD		
			F29-0112-05	INSULATING WASHER		
⚠ F8 ,9			F05-1623-05	FUSE (SEMKO) (250V T1.6AL)	YMXTEG	
⚠ F8 ,9			F06-2525-05	FUSE (UL) (250V 2.5A)	KRP	
CN3 -6			J13-0075-05	FUSE CLIP		
X1			L78-0290-05	RESONATOR (8MHz)		
⚠ R8			RD14NB2E2R2J	RD 2.2 J 1/4W		
R9			RN14BK2C3902F	RN 39.0K F 1/6W		
R33 ,34			RS14KB3A4R7J	FL-PROOF RS 4.7 J 1W		
⚠ R46			RD14NB2E470J	RD 47 J 1/4W		
⚠ R55			RD14NB2E182J	RD 1.8K J 1/4W		
⚠ K2			S51-2094-05	MAGNETIC RELAY	KRP	
⚠ K2			S76-0008-05	MAGNETIC RELAY	YMXTEG	
D1			HZS10N(B)	ZENER DIODE		
D1			RD10ES(B)	ZENER DIODE		
D3 ,4			HSS104A	DIODE		
D3 ,4			1SS131	DIODE		
⚠ D5			D3SBA20F03	DIODE	KRP	
⚠ D5			KBP02ML-6127	DIODE	YMXTEG	
⚠ D5			RBV-402LFA	DIODE	KRP	
D6			HZS3.9N(B2)	ZENER DIODE		

L:Scandinavia	**K:** USA	**P:** Canada	**1:** RXD-F41	**2:** RXD-F42
Y: PX(Far East, Hawaii)	**T:** England	**E:**Europe	**3:** RXD-F3	**4:** RXD-F4
Y:AAFES(Europe)	**X:** Australia	**M:** Other Areas		

⚠ indicates safety critical components.

* New Parts
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Teile ohne **Parts No.** werden nicht geliefert.

NO. 9

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
D6			RD3.9ES(B2)	ZENER DIODE		
D6			UZ-3.9BSB	ZENER DIODE		
D7			HZS6.2N(B2)	ZENER DIODE		
D7			RD6.2ES(B2)	ZENER DIODE		
D7			UZ-6.2BSB	ZENER DIODE		
D8			HSS104A	DIODE		
D8			1SS131	DIODE		
IC1			LA2785	IC(DOLBY PRO LOGIC DECODER IC)		
IC2			LV1011	DI BI-POLAR IC		
IC3			NJM4565L-D	IC(OP AMP X2)		
IC4		*	TDA7315	ANALOGUE IC		
⚠ IC5 ,6		*	TDA2040V	ANALOGUE IC	YMXTEG	
⚠ IC5 ,6			TDA2050V	ANALOGUE IC		
IC7			XRU4052BC	MOS-IC		
Q1 ,2			2SC2878(B)	TRANSISTOR		
⚠ Q4			2SD2012	TRANSISTOR		
⚠ Q4			2SD2061	TRANSISTOR		
Q5			2SC2003(L,K)	TRANSISTOR		
Q6			DTA113ZS	DIGITAL TRANSISTOR		
Q6			UN4119	TRANSISTOR		

AUDIO UNIT- TUNER (X09) : K. R. P. Y. M. X type

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
Q7			DTC124ES	DIGITAL TRANSISTOR		
Q7			UN4212	TRANSISTOR		
C301,302			CK73FB1H103K	CHIP C 0.010UF K		
C304			CE04LW1A470M	ELECTRO 47UF 10WV		
C305			CK73FB1H103K	CHIP C 0.010UF K		
C308			CK73FB1H103K	CHIP C 0.010UF K		
C310			CC73FSL1H102J	CHIP C 1000PF J		
C311			CE04LW1H4R7M	ELECTRO 4.7UF 50WV		
C313			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C314			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C321,322			CQ93FMG1H163J	MYLAR 0.016UF J	MX	3
C321,322			CQ93FMG1H163J	MYLAR 0.016UF J	YMX	4
C321,322			CQ93FMG1H163J	MYLAR 0.016UF J	M	2
C321,322			CQ93FMG1H243J	MYLAR 0.024UF J	KRP	3
C321,322			CQ93FMG1H243J	MYLAR 0.024UF J	KRP	4
C321,322			CQ93FMG1H243J	MYLAR 0.024UF J	KRP	1
C323			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C324			CE04LW1H3R3M	ELECTRO 3.3UF 50WV		
C325			CE04LW1V100M	ELECTRO 10UF 35WV		
C327			CK73FB1E473K	CHIP C 0.047UF K		
C328			CE04LW1V100M	ELECTRO 10UF 35WV		
C331			CE04LW1A470M	ELECTRO 47UF 10WV		
C332			CK45FF1H103Z	CERAMIC 0.010UF Z		
C333			CC73FCH1H270J	CHIP C 27PF J		
C334			CC73FCH1H220J	CHIP C 22PF J		
C335-338			CK73FB1H471K	CHIP C 470PF K		
C339			CE04LW1C470M	ELECTRO 47UF 16WV		
C340			CK73FB1H223K	CHIP C 0.022UF K		
C341			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C342,343			CK73FB1H103K	CHIP C 0.010UF K		
C350			C91-0769-05	CERAMIC 0.010UF K		
C351			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C352			CE04LW1C470M	ELECTRO 47UF 16WV		

L:Scandinavia K: USA P: Canada 1: RXD-F41 2: RXD-F42
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Y:AAFES(Europe) X: Australia M: Other Areas
⚠ indicates safety critical components.

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NO. 10

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C355			CK73FB1E104K	CHIP C 0.10UF K		
C357			CC73FSL1H220J	CHIP C 22PF J		
C361			CK73FB1H103K	CHIP C 0.010UF K		
C362			CE04LW1C101M	ELECTRO 100UF 16WV		
C365			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C366			CC73FSL1H102J	CHIP C 1000PF J		
C371			CE04LW1V100M	ELECTRO 10UF 35WV		
C372			CE04LW1C470M	ELECTRO 47UF 16WV		
C403-406			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C407			CK73FB1E473K	CHIP C 0.047UF K		
C412			CC73FSL1H101J	CHIP C 100PF J		
C414			CK73FB1H681K	CHIP C 680PF K		
C417			CK73FB1H681K	CHIP C 680PF K		
C418			CK73FB1H103K	CHIP C 0.010UF K		
C419			CC73FSL1H101J	CHIP C 100PF J		
C421,422			CE04LW1C470M	ELECTRO 47UF 16WV		
C423			CC45FSL1H101J	CERAMIC 100PF J		
C424			CC73FSL1H102J	CHIP C 1000PF J		
C435,436			CQ93FMG1H682J	MYLAR 6800PF J	M	3
C435,436			CQ93FMG1H682J	MYLAR 6800PF J	YM	4
C435,436			CQ93FMG1H682J	MYLAR 6800PF J	M	2
C482			CC73FSL1H150J	CHIP C 15PF J		
J301 KRPMX	3		E20-0476-05	LOCK TERMINAL BOARD		
J301			E20-0476-05	LOCK TERMINAL BOARD(4P)	KRPYMX	4
J301			E20-0476-05	LOCK TERMINAL BOARD(4P)	M	2
J301 1			E70-0051-05	LOCK TERMINAL BOARD		
CF301,302			L72-0531-05	CERAMIC FILTER		
CF303			L72-0574-05	CERAMIC FILTER		
L310			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
L311			L40-1021-14	SMALL FIXED INDUCTOR(1.0MH,K)		
L312			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
L403			L39-1328-05	COMBINATION COIL	KRPMX	3
L403			L39-1328-05	COMBINATION COIL		1
L403		*	L39-1335-05	COMBINATION COIL	KRPYMX	4
L403		*	L39-1335-05	COMBINATION COIL	M	2
L406			L40-1091-17	SMALL FIXED INDUCTOR(1UH)		
X301			L77-1122-05	CRYSTAL RESONATOR(7.2MHz)	KRPYMX	4
X301			L77-1122-05	CRYSTAL RESONATOR(7.2MHz)	M	2
X301		*	L77-2148-05	CRYSTAL RESONATOR(7.2MHz)	KRPMX	3
X301		*	L77-2148-05	CRYSTAL RESONATOR(7.2MHz)		1
X302			L78-0295-05	RESONATOR (456KHz)		
R301			RK73FB2A681J	CHIP R 680 J 1/10W		
R302			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R303			RK73FB2A331J	CHIP R 330 J 1/10W		
R304			RK73FB2A470J	CHIP R 47 J 1/10W		
R306			RK73FB2A331J	CHIP R		
⚠ R311			RD14NB2E101J	RD 100 J 1/4W		
R315			RK73FB2A391J	CHIP R 390 J 1/10W		
R319			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R321,322			RK73FB2A393J	CHIP R 39K J 1/10W		
R331			RS14KB3D221J	FL-PROOF RS 220 J 2W		
R336,337			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R338			RK73FB2A221J	CHIP R 220 J 1/10W		
R339			RK73FB2A822J	CHIP R 8.2K J 1/10W		

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RXD-F3/F4/F41/F42

PARTS LIST

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NO. 11

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R340			RK73FB2A102J	CHIP R 1.0K J 1/10W		
⚠ R342			RD14NB2E101J	RD 100 J 1/4W		
R343			RK73FB2A103J	CHIP R 10K J 1/10W		
R352			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R364			RK73FB2A104J	CHIP R 100K J 1/10W		
R401,402			RK73FB2A333J	CHIP R 33K J 1/10W		
R405,406			RK73FB2A123J	CHIP R 12K J 1/10W		
⚠ R411			RD14NB2E331J	RD 330 J 1/4W		H
⚠ R411			RD14NB2E331J	RD 330 J 1/4W		1
⚠ R411			RD14NB2E470J	RD 47 J 1/4W		S
R418			RK73FB2A122J	CHIP R 1.2K J 1/10W		
R419			RK73FB2A123J	CHIP R 12K J 1/10W		
R422			RK73FB2A122J	CHIP R 1.2K J 1/10W		
R423			RK73FB2A123J	CHIP R 12K J 1/10W		
R424			RK73FB2A103J	CHIP R 10K J 1/10W		
R425,426			RK73FB2A332J	CHIP R 3.3K J 1/10W		
⚠ R427,428			RD14NB2E101J	RD 100 J 1/4W		
R431,432			RK73FB2A393J	CHIP R 39K J 1/10W		
R438,439			RK73FB2A561J	CHIP R 560 J 1/10W	M	3
R438,439			RK73FB2A561J	CHIP R 560 J 1/10W	YM	4
R438,439			RK73FB2A561J	CHIP R 560 J 1/10W	M	2
R440,441			RK73FB2A473J	CHIP R 47K J 1/10W	M	3
R440,441			RK73FB2A473J	CHIP R 47K J 1/10W	YM	4
R440,441			RK73FB2A473J	CHIP R 47K J 1/10W	M	2
R451			RK73FB2A911J	CHIP R 910 J 1/10W		
R452			RK73FB2A473J	CHIP R 47K J 1/10W		
R453			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R457			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R467			RK73FB2A104J	CHIP R 100K J 1/10W		
W401,402			R92-0679-05	CHIP R 0 OHM	KRPMX	3
W401,402			R92-0679-05	CHIP R 0 OHM		1
W403			R92-0670-05	CHIP R 0 OHM		
W404,405			R92-0679-05	CHIP R 0 OHM		
W406			R92-0670-05	CHIP R 0 OHM		
W407			R92-0679-05	CHIP R 0 OHM		
W408			R92-0670-05	CHIP R 0 OHM		
W409			R92-0679-05	CHIP R 0 OHM		
W410			R92-0670-05	CHIP R 0 OHM		
W411			R92-0679-05	CHIP R 0 OHM		
W412			R92-0670-05	CHIP R 0 OHM	MX	3
W412			R92-0670-05	CHIP R 0 OHM	KRPYMX	4
W412			R92-0670-05	CHIP R 0 OHM	M	2
W412-414			R92-0670-05	CHIP R 0 OHM	KRP	3
W412-414			R92-0670-05	CHIP R 0 OHM		1
W501-504			R92-0670-05	CHIP R 0 OHM		
S301			S62-0034-05	SLIDE SWITCH	M	3
S301			S62-0034-05	SLIDE SWITCH	YM	4
S301			S62-0034-05	SLIDE SWITCH	M	2
D303			HZS5.1N(B2)	ZENER DIODE		
D303			RD5.1ES(B2)	ZENER DIODE		
D303			UZ-5.1BSB	ZENER DIODE		
D304			HZS3.3N(B2)	ZENER DIODE		
D304			RD3.3ES(B2)	ZENER DIODE		
D304			UZ-3.3BSB	ZENER DIODE		

L:Scandinavia **K**: USA **P**: Canada **1**: RXD-F41 **2**: RXD-F42
Y: PX(Far East, Hawaii) **T**: England **E**:Europe **3**: RXD-F3 **4**: RXD-F4
Y:AAFES(Europe) **X**: Australia **M**: Other Areas **H**: HUIZHOU made
S: SINGAPORE made ⚠ indicates safety critical components.

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NO. 12

PRef. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
D307,308			HSS104	DIODE		
D307,308			1SS133	DIODE		
D311			HZS5.6N(B2)	ZENER DIODE		
D311			RD5.6ES(B2)	ZENER DIODE		
D311			UZ-5.6BSB	ZENER DIODE		
D411,412			HSS104	DIODE		
D411,412			1SS133	DIODE		
IC301			LA1831A-KEN	ANALOGUE IC		
IC302			LC7218	IC(PLL FREQUENCY SYNTHESIZER)		
IC312			NJM4565D	IC(OP AMP X2)		
Q301			2SC2714(R,O)	TRANSISTOR		
Q302			2SC1845(F,E)	TRANSISTOR		
Q303			2SC1740S(Q,R)	TRANSISTOR		
Q303			2SC2458(Y,GR)	TRANSISTOR		
Q303			2SC2785(F,E)	TRANSISTOR		
Q303			2SC3311A(Q,R)	TRANSISTOR		
Q307			2SC2412K	TRANSISTOR		
Q311			2SD863(E,F)	TRANSISTOR		
Q402			2SA1037K	TRANSISTOR		
Q404			2SA1037K	TRANSISTOR		
Q407,408			2SC2412K	TRANSISTOR	M3	
Q407,408			2SC2412K	TRANSISTOR	YM	4
Q407,408			2SC2412K	TRANSISTOR	M	2
Q409,410			2SD1757K	TRANSISTOR		
Q411			2SA1037K	TRANSISTOR		
A301			W02-1190-05	FM FRONT-END ASSY	KRPYMX	4
A301			W02-1190-05	FM FRONT-END ASSY	M	2
A301		*	W02-2520-05	FM FRONT-END ASSY	KRPMX	3
A301		*	W02-2520-05	FM FRONT-END ASSY		1

AUDIO UNIT - TUNER (X09-) : T.E.G. type

PRef. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C301,302			CK73FB1H103K	CHIP C 0.010UF K		
C303			CE04LW1V100M	ELECTRO 10UF 35WV		
C304			CK73FB1E473K	CHIP C 0.047UF K		
C305			CE04LW1V100M	ELECTRO 10UF 35WV		
C306			CK73FB1E473K	CHIP C 0.047UF K		
C307			CE04LW1V100M	ELECTRO 10UF 35WV		
C308			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C309			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C310			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C311			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C312			CK73FB1E473K	CHIP C 0.047UF K		
C313			CC73FCH1H220J	CHIP C 22PF J		
C314			CE04LW1A101M	ELECTRO 100UF 10WV		
C315			CK73FB1H472K	CHIP C 4700PF K		
C316			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C317,318			CE04LW1V100M	ELECTRO 10UF 35WV		
C319,320			CQ93FMG1H223J	MYLAR 0.022UF J		
C322			CK73FB1H102K	CHIP C 1000PF K		
C323,324			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C325,326			CK45FB1H471K	CERAMIC 470PF K		
C327			CK73FB1E473K	CHIP C 0.047UF K		
C328			CC45FSL1H150J	CERAMIC 15PF J		
C330			CE04LW1C470M	ELECTRO 47UF 16WV		
C331			CK45FF1H473Z	CERAMIC 0.047UF Z		
C332			CK73FB1H103K	CHIP C 0.010UF K		

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RXD-F3/F4/F41/F4

PARTS LIST

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NO. 13

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C333			CC73FCH1H270J	CHIP C 27PF J		
C334			CC73FCH1H220J	CHIP C 22PF J		
C335-338			CK73FB1H471K	CHIP C 470PF K		
C339			CE04LW1C470M	ELECTRO 47UF 16WV		
C340			CQ93FMG1H223J	MYLAR 0.022UF J		
C341			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C342,343			CK73FB1H103K	CHIP C 0.010UFK		
C344			CE04LW1A470M	ELECTRO 47UF 10WV		
C345			CE04LW1C470M	ELECTRO 47UF 16WV		
C346			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C347			CK73FB1H103K	CHIPC 0.010UFK		
C348			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C349			CK73FB1H103K	CHIPC 0.010UFK		
C354			CE04LW1C470M	ELECTRO 47UF 16WV		
C356			CC73FCH1H060D	CHIPC 6.0PF D		
C357			CC73FCH1H220J	CHIPC 22PF J		
C358			CK73FB1E473K	CHIPC 0.047UFK		
C359			CK45FF1H103Z	CERAMIC 0.010UFZ		
C360			CC73FSL1H101J	CHIPC 100PF J		
C361			C91-0745-05	CERAMIC 100PF K		
C362			CC45FSL1H020C	CERAMIC 2.0PF C		H
C362			CC45FSL1H030C	CERAMIC 3.0PF C		S
C363			CK73FB1H103K	CHIPC 0.010UFK		
C364			CC45FSL1H101J	CERAMIC 100PF J		
C365			CK73FB1H103K	CHIPC 0.010UFK		
J301			E20-0321-05	LOCKTERMINALBOARD		
CF301,302			L72-0536-05	CERAMICFILTER		
L303			L30-0910-05	FMIFT		
L306			L39-1325-05	COMBINATIONCOIL	T	H 3
L306			L39-1328-05	COMBINATIONCOIL	EG	H 3
L306		✱	L39-1335-05	COMBINATIONCOIL	EG	S
L306		✱	L39-1336-05	COMBINATIONCOIL	T	S
L307			L30-0911-05	AMIFT		
L308,309			L40-1091-17	SMALLFIXEDINDUCTOR		
L311			L40-1001-17	SMALLFIXEDINDUCTOR(10UH,K)		
X301			L77-1122-05	CRYSTALRESONATOR(7.2MHz)		4
X301			L77-1122-05	CRYSTALRESONATOR(7.2MHz)		S 3
X301		✱	L77-2148-05	CRYSTALRESONATOR(7.2MHz)		H 3
X302			L78-0295-05	RESONATOR (456kHz)		
R301			RK73FB2A681J	CHIPR 680 J1/10W		
R302			RK73FB2A332J	CHIPR 3.3K J1/10W		
R303			RK73FB2A331J	CHIPR 330 J1/10W		
R304			RK73FB2A100J	CHIPR 10 J1/10W		
R306			RK73FB2A331J	CHIPR 330 J1/10W		
R307			RK73FB2A392J	CHIPR 3.9K J1/10W		
R311			RK73FB2A562J	CHIPR 5.6K J1/10W		
R312			RK73FB2A302J	CHIPR 3.0K J1/10W		
R313			RK73FB2A333J	CHIPR 33K J1/10W		
R316			RK73FB2A104J	CHIPR 100K J1/10W		
R317			RK73FB2A392J	CHIPR 3.9K J1/10W		
R318			RK73FB2A333J	CHIPR 33K J1/10W		
R331			RK73FB2A822J	CHIPR 8.2K J1/10W		
R336,337			RK73FB2A102J	CHIPR 1.0K J1/10W		
R340			RK73FB2A471J	CHIPR 470 J1/10W		

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NO. 14

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
⚠ R342			RD14NB2E101J	RD 100 J 1/4W		
R343			RK73FB2A103J	CHIP R 10K J 1/10W		
R358			RK73FB2A104J	CHIP R 100K J 1/10W		
R359			RK73FB2A122J	CHIP R 1.2K J 1/10W	T	
R360			RK73FB2A123J	CHIP R 12K J 1/10W	T	
R361			RK73FB2A122J	CHIP R 1.2K J 1/10W		
R362			RK73FB2A123J	CHIP R 12K J 1/10W		
R363			RK73FB2A122J	CHIP R 1.2K J 1/10W		
R364			RK73FB2A123J	CHIP R 12K J 1/10W		
R372			RK73FB2A122J	CHIP R 1.2K J 1/10W	T	
R373			RK73FB2A223J	CHIP R 22K J 1/10W	T	
R374			RK73FB2A123J	CHIP R 12K J 1/10W	T	
R375			RK73FB2A182J	CHIP R 1.8K J 1/10W	T	
R376			RK73FB2A104J	CHIP R 100K J 1/10W	T	
⚠ R378			RD14NB2E470J	RD 47 J 1/4W		
R379			RS14KB3D221J	FL-PROOF RS 220 J 2W		
R381			RK73FB2A563J	CHIP R 56K J 1/10W		
W401,402			R92-0679-05	CHIP R 0 OHM		
W403			R92-0670-05	CHIP R 0 OHM		
W404,405			R92-0679-05	CHIP R 0 OHM		
W406			R92-0670-05	CHIP R 0 OHM		
W407			R92-0679-05	CHIP R 0 OHM		
W408			R92-0670-05	CHIP R 0 OHM		
W409			R92-0679-05	CHIP R 0 OHM		
W410			R92-0670-05	CHIP R 0 OHM		
W411			R92-0679-05	CHIP R 0 OHM		
W412			R92-0670-05	CHIP R 0 OHM		
D301,302			HSS104	DIODE		
D301,302			1SS133	DIODE		
D303			HZS5.1N(B2)	ZENER DIODE		
D303			RD5.1ES(B2)	ZENER DIODE		
D303			UZ-5.1BSB	ZENER DIODE		4
D304			HZS8.2N(B2)	ZENER DIODE		
D304			RD8.2ES(B2)	ZENER DIODE		
D304			UZ-8.2BSB	ZENER DIODE		4
D305			HSS104	DIODE		
D305			1SS133	DIODE		
D306			HZS3.3N(B2)	ZENER DIODE		
D306			RD3.3ES(B2)	ZENER DIODE		
D306			UZ-3.3BSB	ZENER DIODE		
D310			HSS104	DIODE	T	
D310			1SS133	DIODE	T	
IC301			LA1836	ANALOGUE IC		
IC302			LC7218	IC(PLL FREQUENCY SYNTHESIZER)		
Q301			2SC2714(R,O)	TRANSISTOR		
Q302			2SC1845(F,E)	TRANSISTOR		
Q303			2SC4081(R,S)	TRANSISTOR		
Q305			2SC1740S(Q,R)	TRANSISTOR		
Q305			2SC2458(Y,GR)	TRANSISTOR		
Q305			2SC2785(F,E)	TRANSISTOR		
Q305			2SC3311A(Q,R)	TRANSISTOR		
Q306			2SA1576(R,S)	TRANSISTOR	T	
Q307,308			2SA1576(R,S)	TRANSISTOR		
Q309			2SD863(E,F)	TRANSISTOR		

L:Scandinavia **K**: USA **P**: Canada **1**: RXD-F41 **2**: RXD-F42
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RXD-F3/F4/F41/F42

PARTS LIST

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NO. 15

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
Q310			2SA1048(Y,GR)	TRANSISTOR		
Q310			2SA1175(F,E)	TRANSISTOR		
Q310			2SA1309A(Q,R)	TRANSISTOR		
Q310			2SA933S(Q,R)	TRANSISTOR		
Q311,312			2SD1302(S,T)	TRANSISTOR		
Q311,312			2SD1450(S,T)	TRANSISTOR		
Q313-315			2SC4081(R,S)	TRANSISTOR	T	
A301			W02-2509-05	FM FRONT-END ASSY		
AUDIO UNIT- EXCEPT TUNER (X09-)						
C1 ,2			CC73FSL1H221J	CHIP C 220PF J	KRPYMX	
C1 ,2			CC73FSL1H471J	CHIP C 470PF J		
C3 -9			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C10			CE04LW1V100M	ELECTRO 10UF 35WV		
C11			CE04LW1HR22M	ELECTRO 0.22UF 50WV		
C12			CC45FSL1H220J	CERAMIC 22PF J		
C13			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C14			CQ93FMG1H223J	MYLAR 0.022UF J		
C29 ,30			CE04LW1C220M	ELECTRO 22UF 16WV		
C31			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C32			CE04LW1V100M	ELECTRO 10UF 35WV		
C33 -36			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C37			CE04LW1C220M	ELECTRO 22UF 16WV		
C38 ,39			CK73FB1E104K	CHIP C 0.10UF K		
C40			CK73FB1H562K	CHIP C 5600PF K		
C41			CF92FV1H684J	MF-C 0.68UF J		
C42 ,43			CK73FF1E154Z	CHIP C 0.15UF Z		
C44 ,45			CK73FB1H223K	CHIP C 0.022UF K		
C46			CQ93FMG1H122J	MYLAR 1200PF J		
C47			CK73FB1H222K	CHIP C 2200PF K		
C48 ,49			CK73FF1E154Z	CHIP C 0.15UF Z		
C50 ,51			CK73FB1H562K	CHIP C 5600PF K		
C71 ,72			CC45FSL1H101J	CERAMIC 100PF J		
C73 ,74		∗	C90-3413-05	ALMINIUM ELECTROLYTIC C.		
C75 -78			CQ93FMG1H103J	MYLAR 0.010UF J		
C79 ,80			CK45FB1H102K	CERAMIC 1000PF K		
C81 ,82			CK45FB1H102K	CERAMIC 1000PF K	TEG	4
C81 ,82			CK45FB1H102K	CERAMIC 1000PF K	TEG	3
C83 ,84			CQ93FMG1H153J	MYLAR 0.015UF J	TEG	4
C83 ,84			CQ93FMG1H153J	MYLAR 0.015UF J	TEG	3
C87			CC45FSL1H331J	CERAMIC 330PF J		
C88 ,89			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C90			CK45FB1H821K	CERAMIC 820PF K		
C92			CC45FSL1H331J	CERAMIC 330PF J		
C93			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C97			CE04LW1H010M	ELECTRO 1.0UF 50WV	M	3
C97			CE04LW1H010M	ELECTRO 1.0UF 50WV	M	2
C98			CQ93FMG1H103J	MYLAR 0.010UF J	M	3
C98			CQ93FMG1H103J	MYLAR 0.010UF J	M	2
C99			CQ93FMG1H222J	MYLAR 2200PF J	M	3
C99			CQ93FMG1H222J	MYLAR 2200PF J	M	2
C100			CQ93FMG1H104J	MYLAR 0.10UF J	M	3
C100			CQ93FMG1H104J	MYLAR 0.10UF J	M	2
C101,102			CF92FV1H224J	MF-C 0.22UF J	M	3
C101,102			CF92FV1H224J	MF-C 0.22UF J	M	2

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NO. 16

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C103			CF92FV1H105J	MF-C 1.0UF J	M	3
C103			CF92FV1H105J	MF-C 1.0UF J	M	2
C104			CE04LW1H010M	ELECTRO 1.0UF 50WV	M	3
C104			CE04LW1H010M	ELECTRO 1.0UF 50WV	M	2
C105			CQ93FMG1H222J	MYLAR 2200PF J	M	3
C105			CQ93FMG1H222J	MYLAR 2200PF J	M	2
C106			CQ93FMG1H103J	MYLAR 0.010UF J	M	3
C106			CQ93FMG1H103J	MYLAR 0.010UF J	M	2
C107			CQ93FMG1H104J	MYLAR 0.10UF J	M	3
C107			CQ93FMG1H104J	MYLAR 0.10UF J	M	2
C108			CE04LW1C470M	ELECTRO 47UF 16WV	M	3
C108			CE04LW1C470M	ELECTRO 47UF 16WV	M	2
C109			CC73FSL1H680J	CHIP C 68PF J	M	3
C109			CC73FSL1H680J	CHIP C 68PF J	M	2
C110			CE04LW1A470M	ELECTRO 47UF 10WV		
C110			CE04LW1A470M	ELECTRO 47UF 10WV	M	2
C112			CE04LW1A470M	ELECTRO 47UF 10WV		
C114			CE04LW1C470M	ELECTRO 47UF 16WV		
C115,116			C90-3561-05	ELECTRO 4700UF 50WV		
C117,118			CQ93FMG1H104J	MYLAR 0.10UF J		
C123			CE04LW1V332M	ELECTRO 3300UF 35WV		
C125			CE04LW1V471M	ELECTRO 470UF 35WV		
C128			CE04LW1H101M	ELECTRO 100UF 50WV		
C129			CE04LW1E101M	ELECTRO 100UF 25WV		
C131			CE04LW1H101M	ELECTRO 100UF 50WV		
C134			CE04LW1V330M	ELECTRO 33UF 35WV		
C135			CE04LW1V222M	ELECTRO 2200UF 35WV		
C136,137			CQ93FMG1H104J	MYLAR 0.10UF J		
C138			CE04LW1A470M	ELECTRO 47UF 10WV		
C139			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C141			CE04LW1V330M	ELECTRO 33UF 35WV		
C142			CE04LW1V221M	ELECTRO 220UF 35WV		
⚠ C144			C91-1488-05	MF 6800PF 250VAC		
C146			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C147			CE04LW1H100M	ELECTRO 10UF 50WV		
C150,151			CK45FF1H103Z	CERAMIC 0.010UF Z		
C152			CE04LW1C470M	ELECTRO 47UF 16WV		
C154,155			CE04LW1C470M	ELECTRO 47UF 16WV		
C156			CE04LW1C221M	ELECTRO 220UF 16WV		
C160			CK73FB1H471K	CHIP C 470PF K		
C163,164			CC73FSL1H101J	CHIP C 100PF J		
C166,167			CK73FB1H103K	CHIP C 0.010UF K		
C170			CK73FB1H103K	CHIP C 0.010UF K		
C171			CK45FF1H103Z	CERAMIC 0.010UF Z		
C173-176			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C177			CK73FB1H103K	CHIP C 0.010UF K		
C178			CE04LW1C100M	ELECTRO 10UF 16WV	M	3
C178			CE04LW1C100M	ELECTRO 10UF 16WV	M	2
C179,180			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C182			CE04LW1H010M	ELECTRO 1.0UF 50WV	M	3
C182			CE04LW1H010M	ELECTRO 1.0UF 50WV	M	2
C183			CE04LW1V221M	ELECTRO 220UF 35WV		2
C183			CE04LW1V221M	ELECTRO 220UF 35WV		3
C183			CE04LW1V221M	ELECTRO 220UF 35WV		1
C183			CE04LW1V221M	ELECTRO 220UF 35WV	YMXTEG	4

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NO. 17

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C183			C90-3398-05	ELECTRO 220UF 35WV	KRP	4
C185,186			CC73FSL1H470	CHIP C 47PF J	TEG	3
C185,186			CC73FSL1H470J	CHIP C 47PF J	TEG	4
C187,188			CE04LW1V100M	ELECTRO 10UF 35WV		
C189,190			CE04HW1H101M	NP-ELEC 100UF 50WV		1
C191			CE04LW1H221M	ELECTRO 220UF 50WV		
C192			CE04LW1C100M	ELECTRO 10UF 16WV		
C193			CK73FB1E104K	CHIP C 0.10UF K		
C195			C91-0750-05	CERAMIC 270PF K		
C500			CK45FB1H102K	CERAMIC 1000PF K	KRP	3
C500			CK45FB1H102K	CERAMIC 1000PF K	KRPYM4	
C500			CK45FB1H102K	CERAMIC 1000PF K		1
C601			CE04LW1H3R3M	ELECTRO 3.3UF 50WV		
C602			CC45FSL1H101J	CERAMIC 100PF J	M	3
C602			CC45FSL1H101J	CERAMIC 100PF J	M	2
CN1			E40-4804-05	SOCKET FOR PIN ASSY		
CN2		*	E40-4858-05	SOCKET FOR PIN ASSY		
CN3			E40-4796-05	PIN ASSY		
CN4 ,5			E40-4809-05	PIN ASSY		
CN6	2I	*	E40-4920-05	FLAT CABLE CONNCTOR		
CN7			E40-4284-05	FLAT CABLE CONNCTOR		
CN7 ,8			E40-4297-05	FLAT CABLE CONNCTOR	M	2
CN8			E40-4298-05	FLAT CABLE CONNCTOR		
CN201			E40-4245-05	PIN ASSY	TEG	3
CN202			E40-4245-05	PIN ASSY		
J1			E63-0096-05	PHONO JACK		1S
J1			E63-0096-05	PHONO JACK		4S
J1			E63-0096-05	PHONO JACK	M	2
J1			E63-0096-05	PHONO JACK		W
J1			E63-0096-05	PHONO JACK		4W
J1		*	E63-0144-05	PHONO JACK		3H
J1		*	E63-0144-05	PHONO JACK		1H
J2 ,3		*	E11-0283-05	MINIATURE PHONE JACK MIC1/MIC2		
J4		*	E11-0280-05	PHONE JACK		1H
J4		*	E11-0280-05	PHONE JACK		3H
J4		*	E11-0282-05	PHONE JACK		4
J4		*	E11-0282-05	PHONE JACK		1S
J4			E11-0282-05	PHONE JACK	M	2
J4		*	E11-0282-05	PHONE JACK		3S
J5			E70-0032-05	LOCK TERMINAL BOARD	KRP	3
J5			E70-0032-05	LOCK TERMINAL BOARD	KRP	4
J5			E70-0032-05	LOCK TERMINAL BOARD		1
J5			E70-0048-05	LOCK TERMINAL BOARD	MXTEG	3
J5			E70-0048-05	LOCK TERMINAL BOARD	YMXTEG	4
J5			E70-0048-05	LOCK TERMINAL BOARD	M	2
⚠ J6			E03-0316-05	AC OUTLET		
⚠ F1			F05-6029-05	FUSE (UL) (125V 6A)	KRP	3
⚠ F1			F05-6029-05	FUSE (UL) (125V 6A)	KRP	4
⚠ F1			F05-6029-05	FUSE (UL) (125V 6A) 1		
⚠ F1 ,2			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	M	3
⚠ F1 ,2			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	YM	4
⚠ F1 ,2			F05-3121-05	FUSE (SEMKO) (250V T3.15AL)	M	2
⚠ F3 ,4			F05-5025-05	FUSE (SEMKO) (250V T5A L)	MXTEG	3
⚠ F3 ,4			F05-5025-05	FUSE (SEMKO) (250V T5A L)	YMXTEG	4

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W: MALAYSIA made
S: SINGAPORE made
2: RXD-F42
H: HUIZHOU made
1: RXD-F41
3: RXD-F3

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NO. 18

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
⚠ F3 ,4			F05-5025-05	FUSE (SEMKO) (250V T5A L)	M	2
⚠ F3 ,4			F05-6029-05	FUSE (UL) (125V 6A)	KRP	3
⚠ F3 ,4			F05-6029-05	FUSE (UL) (125V 6A)	KPR	4
⚠ F3 ,4			F05-6029-05	FUSE (UL) (125V 6A)		1
⚠ F5			F06-1022-05	FUSE (SEMKO) (250V T1AL)	MXTEG	3
⚠ F5			F06-1022-05	FUSE (SEMKO) (250V T1AL)	YMXTEG	4
⚠ F5			F06-1022-05	FUSE (SEMKO) (250V T1AL)	M	2
⚠ F5			F06-1222-05	FUSE (UL) (250V 1.25A)	KRP	3
⚠ F5			F06-1222-05	FUSE (UL) (250V 1.25A)	KPR	4
⚠ F5			F06-1222-05	FUSE (UL) (250V 1.25A)		1
⚠ F6			F04-2025-05	FUSE (UL) (250V 2A)	KRP	3
⚠ F6			F04-2025-05	FUSE (UL) (250V 2A)	KRP	4
⚠ F6			F04-2025-05	FUSE (UL) (250V 2A)		1
⚠ F6			F05-1623-05	FUSE (SEMKO) (250V T1.6AL)	MXTEG	3
⚠ F6			F05-1623-05	FUSE (SEMKO) (250V T1.6AL)	YMXTEG	4
⚠ F6			F05-1623-05	FUSE (SEMKO) (250V T1.6AL)	M	2
⚠ F7			F50-0062-05	FUSE(5X20)	KRP	3
⚠ F7			F50-0062-05	FUSE(5X20)	KRP	4
⚠ F7			F50-0062-05	FUSE(5X20)		1
-		*	J21-6254-14	MOUNTING HARDWARE	TEG	
-		*	J21-6255-14	MOUNTING HARDWARE	TEG	
-			J61-0307-05	WIRE BAND		3
-			J61-0307-05	WIRE BAND	TEG	
CN101-108			J13-0075-05	FUSE CLIP		
CN109,110			J13-0075-05	FUSE CLIP	M	2
CN109,110			J13-0075-05	FUSE CLIP	M	3
CN109,110			J13-0075-05	FUSE CLIP	YM	4
CN111,112			J13-0075-05	FUSE CLIP	KRPM	3
CN111,112			J13-0075-05	FUSE CLIP	KRPYM	4
CN111,112			J13-0075-05	FUSE CLIP	M	2
CN113,114			J13-0075-05	FUSE CLIP	KRP	4
CN113,114			J13-0075-05	FUSE CLIP	KRP	3
CN113,114			J13-0075-05	FUSE CLIP		1
L1 ,2			L39-0085-05	PHASE COMPENSATION COIL	TEG	3
L1 ,2			L39-0085-05	PHASE COMPENSATION COIL	TEG	4
R1			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R4 -7			RK73FB2A224J	CHIP R 220K J 1/10W		
R8			RK73EB2B224J	CHIP R 220K J 1/8W		
R9 -12			RK73FB2A224J	CHIP R 220K J 1/10W		
R14				CHIP R 220K J 1/10W		
R43 ,44			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R51 ,52			RK73FB2A562J	CHIP R 5.6K J 1/10W		
R55 ,56			RK73FB2A104J	CHIP R 100K J 1/10W		
R107-110			RD14NB2E100J	RD 10 J 1/4W		
R111-114			RS14KB3DR22J	FL-PROOF RS 0.22 J 2W		
R119		*	RK73EB2B683J	CHIP R 68K J 1/8W		
R121-124			RD14NB2E681J	RD 680 J 1/4W		
R125,126			RD14NB2E4R7J	RD 4.7 J 1/4W	TEG	3
R125,126			RD14NB2E4R7J	RD 4.7 J 1/4W	TEG	4
R170			RK73FB2A682J	CHIP R 6.8K J 1/10W		
R171			RK73FB2A332J	CHIP R 3.3K J 1/10W		
R172			RK73FB2A561J	CHIP R 560 J 1/10W		
R173		*	RK73EB2B562J	CHIP R 5.6K J 1/8W		
R176,177			RK73EB2B103J	CHIP R 10K J 1/8W		

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RXD-F3/F4/F41/F42

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NO. 19

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
R178,179			RK73EB2B681J	CHIP R 680 J 1/8W		
R185			RS14KB3A152J	FL-PROOF RS 1.5K J 1W		
R187			RK73FB2A823J	CHIP R 82K J 1/10W		
R188			RK73FB2A104J	CHIP R 100K J 1/10W		
R189			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R190			RK73FB2A473J	CHIP R 47K J 1/10W		
R191			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R192			RK73FB2A103J	CHIP R 10K J 1/10W		
R194			RK73FB2A103J	CHIP R 10K J 1/10W		
R195			RS14KB3D150J	FL-PROOF RS 15 J 2W		1
R195			RS14KB3D330J	FL-PROOF RS 33 J 2W		3
R195			RS14KB3D330J	FL-PROOF RS 33 J 2W		4
R195			RS14KB3D330J	FL-PROOF RS 33 J 2W	M	2
R197			RK73FB2A103J	CHIP R 10K J 1/10W		4
⚠ R198			RS14KB3D330J	FL-PROOF RS 33 J 2W		4
R199			RK73FB2A682J	CHIP R 6.8K J 1/10W	MXTEG	3
R199			RK73FB2A682J	CHIP R 6.8K J 1/10W	YMXTEG	4
R199			RK73FB2A682J	CHIP R 6.8K J 1/10W	M	2
⚠ R201			RS14KB3A330J	FL-PROOF RS 33 J 1W	MXTEG	3
⚠ R201			RS14KB3A330J	FL-PROOF RS 33 J 1W	YMXTEG	4
⚠ R201			RS14KB3A330J	FL-PROOF RS 33 J 1W	M	2
⚠ R207			RD14NB2E100J	RD 10 J 1/4W		
⚠ R209			RD14NB2E220J	RD 22 J 1/4W		
⚠ R210,211			RD14NB2E100J	RD 10 J 1/4W		
⚠ R212			RD14NB2E101J	RD 100 J 1/4W		
R215,216			RK73FB2A222J	CHIP R 2.2K J 1/10W	MXTEG	3
R215,216			RK73FB2A222J	CHIP R 2.2K J 1/10W		4
R215,216			RK73FB2A222J	CHIP R 2.2K J 1/10W	M	2
R217,218			RK73FB2A224J	CHIP R 220K J 1/10W		
R220			RK73FB2A103J	CHIP R 10K J 1/10W		
R221			RK73EB2B103J	CHIP R 10K J 1/8W		
R226			RK73FB2A391J	CHIP R 390 J 1/10W		
R228			RK73FB2A101J	CHIP R 100 J 1/10W		
R254			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R256			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R258			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R259			RK73EB2B183J	CHIP R 18K J 1/8W		
R261-263			RK73FB2A104J	CHIP R 100K J 1/10W		
R265,266			RK73FB2A103J	CHIP R 10K J 1/10W	MXTEG	3
R265,266			RK73FB2A103J	CHIP R 10K J 1/10W		4
R265,266			RK73FB2A103J	CHIP R 10K J 1/10W	M	2
R269,270			RS14KB3D4R7J	FL-PROOF RS 4.7 J 2W		
⚠ R271			RS14KB3D221J	FL-PROOF RS 220 J 2W		
R272			RD14NB2E121J	RD 120 J 1/4W	M	3
R272			RD14NB2E121J	RD 120 J 1/4W	M	2
⚠ R273			R92-1769-05	CARBON 3.3M J 1/2W	KRP	3
⚠ R273			R92-1769-05	CARBON 3.3M J 1/2W	KRP	4
⚠ R273			R92-1769-05	CARBON 3.3M J 1/2W		1
R274			RK73FB2A473J	CHIP R 47K J 1/10W		
R276			RK73FB2A225J	CHIP R 2.2M J 1/10W	M	3
R276			RK73FB2A225J	CHIP R 2.2M J 1/10W	M	2
VR1			R31-0002-05	VARIABLE RESISTOR		
VR2			R31-0028-05	VARIABLE RESISTOR		
W501-505			R92-0670-05	CHIP R 0 OHM	TEG	
W512			R92-0679-05	CHIP R 0 OHM	TEG	

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NO. 20

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
W513			R92-0679-05	CHIP R 0 OHM	T	
W516			R92-0670-05	CHIP R 0 OHM	TEG	
W518-522			R92-0670-05	CHIP R 0 OHM	EG	
W521			R92-0670-0	CHIP R 0 OHM	T	
⚠ K1			S51-2094-05	MAGNETIC RELAY		
K2			S51-2093-05	MAGNETIC RELAY		4
K3			S51-2093-05	MAGNETIC RELAY	MXTEG	3
K3			S51-2093-05	MAGNETIC RELAY	M	2
K3			S51-2093-05	MAGNETIC RELAY	YMXTEG	4
⚠ K4			S51-1052-05	MAGNETIC RELAY		1
⚠ S1			S31-2322-05	SLIDE SWITCH 120-/220/230-	M	3
⚠ S1			S31-2322-05	SLIDE SWITCH 120-/220/230-	YM	4
⚠ S1			S31-2322-05	SLIDE SWITCH 120-/220/230-	M	2
⚠ D1			D3SBA20F03	DIODE		
⚠ D1			RBV-402LFA	DIODE		
⚠ D2			KBP02ML-6127	DIODE		
⚠ D3 -9			S5688B	DIODE		
⚠ D3 -9			1SR139-100	DIODE		
⚠ D10 ,11			HSS104A	DIODE		
⚠ D10 ,11			1SS131	DIODE		
⚠ D12 ,13			HZS5.6N(B2)	ZENER DIODE		
⚠ D12 ,13			RD5.6ES(B2)	ZENER DIODE		
⚠ D12 ,13			UZ-5.6BSB	ZENER DIODE		
D14 ,15			HZS13N(B2)	ZENER DIODE		
D14 ,15			RD13ES(B2)	ZENER DIODE		
D14 ,15			UZ-13BSB	ZENER DIODE		
D16			HZS16N(B2	ZENER DIODE		
D16			RD16ES(B2)	ZENER DIODE		
D16			UZ-16BSB	ZENER DIODE		4
D16			UZ-16BSB	ZENER DIODE	M	2
D16			UZ-16BSB	ZENER DIODE		3
D17 -19			HSS104A	DIODE		
D17 -19			1SS131	DIODE		
D20			HSS104A	DIODE		4
D20			1SS131	DIODE		4
D21			HSS104A	DIODE	YMXTEG	4
D21			HSS104A	DIODE	MXTEG	3
D21			HSS104A	DIODE	M	2
D21			1SS131	DIODE	YMXTEG	4
D21			1SS131	DIODE	MXTEG	3
D21			1SS131	DIODE	M	2
D22			MA111	DIODE		
D23 ,24			HSS104A	DIODE		
D23 ,24			1SS131	DIODE		
D25 ,26			HZS6.2N(B2)	ZENER DIODE		
D25 ,26			RD6.2ES(B2)	ZENER DIODE		
D25 ,26			UZ-6.2BSB	ZENER DIODE		
D28			HSS104A	DIODE		
D28			1SS131	DIODE		
D30 ,31			MA111	DIODE		
D32 ,33			HSS104A	DIODE		
D32 ,33			1SS131	DIODE		
D34			HZS6.2N(B2)	ZENER DIODE	M	3
D34			HZS6.2N(B2)	ZENER DIODE	M	2

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RXD-F3/F4/F41/F42

PARTS LIST

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NO. 21

	Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
	D34			RD6.2ES(B2)	ZENER DIODE	M	3
	D34			RD6.2ES(B2)	ZENER DIODE	M	2
	D34			UZ-6.2BSB	ZENER DIODE	M	3
	D34			UZ-6.2BSB	ZENER DIODE	M	2
	D36 -39			HSS104A	DIODE		
	D36 -39			1SS131	DIODE		
⚠	D40			HSS104A	DIODE		1
⚠	D40			1SS131	DIODE		1
⚠	D41			HZS8.2N(B2)	ZENER DIODE		
⚠	D41			RD8.2ES(B2)	ZENER DIODE		
⚠	D41			UZ-8.2BSB	ZENER DIODE		
	D43 ,44			HSS104A	DIODE		
	D43 ,44			1SS131	DIODE		
	D45 ,46			HZS10N(B2)	ZENER DIODE	MXTEG	3
	D45 ,46			HZS10N(B2)	ZENER DIODE	YMXTEG	4
	D45 ,46			HZS10N(B2)	ZENER DIODE	M	2
	D45 ,46			HZS30N(B)	ZENER DIODE	KRP	3 H
	D45 ,46			HZS30N(B)	ZENER DIODE		1
	D45 ,46			RD10ES(B2)	ZENER DIODE	MXTEG	3
	D45 ,46			RD10ES(B2)	ZENER DIODE	YMXTEG	4
	D45 ,46			RD10ES(B2)	ZENER DIODE	M	2
	D45 ,46			RD30ES(B)	ZENER DIODE	KRP	3 H
	D45 ,46			RD30ES(B)	ZENER DIODE		1
	D45 ,46			UZ-10BSB	ZENER DIODE	KRPYMX	4
	D45 ,46			UZ-10BSB	ZENER DIODE	M	2
⚠	D50			S5688B	DIODE		
⚠	D50			1SR139-100	DIODE		
⚠	D51			HSS104A	DIODE		
⚠	D51			1SS131	DIODE		
⚠	D60			S5688B	DIODE		
⚠	D60			1SR139-100	DIODE		
	D61 -64			MA111	DIODE		
⚠	D65			S5688B	DIODE		
⚠	D65			1SR139-100	DIODE		
	D603,604			HZS30N(B)	ZENER DIODE	KRP	3
	D603,604			HZS30N(B)	ZENER DIODE	KRP	4
	D603,604			HZS30N(B)	ZENER DIODE		1
	D603,604			RD30ES(B)	ZENER DIODE	KRP	3
	D603,604			RD30ES(B)	ZENER DIODE	KRP	4
	D603,604			RD30ES(B)	ZENER DIODE		1
	IC1			NJU7313AM	ANALOGUE IC		
	IC2			NJM4565M	IC(OP AMP X2)		
	IC3			NJM4565D-D	IC(OP AMP X2)		
	IC3			XRA15218-DX	IC(OP AMP X2)		
	IC7			NJM4565MD	IC(OP AMP X2)		
	IC8			M65844P	DI BI-POLAR IC	M	3
	IC8			M65844P	DI BI-POLAR IC	M	2
	IC10			BU4066BCF	IC(ANALOG SWITCH X4)	M	3
	IC10			BU4066BCF	IC(ANALOG SWITCH X4)	M	2
	IC11			BU4094BCF	MOS-IC		
	IC12			TDA7345D	ANALOGUE IC		
⚠	IC14			TA78057S	IC(VOLTAGE REGULATOR/+5.75V)		
	IC15			NJM4565M	IC(OP AMP X2)		
	Q9 ,10			2SC4137(V,W)	TRANSISTOR		
⚠	Q11 ,12			2SD2493	TRANSISTOR		

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Y:AAFES(Europe) **X**: Australia **M**: Other Areas **H**: HUIZHOU made
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NO. 22

	Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
⚠	Q13 ,14			2SB1624	TRANSISTOR		
	Q15 ,16			2SC1740S(Q,R)	TRANSISTOR		
	Q15 ,16			2SC2458(Y,GR)	TRANSISTOR		
	Q15 ,16			2SC2785(F,E)	TRANSISTOR		
	Q15 ,16			2SC3311A(Q,R)	TRANSISTOR		
	Q17 ,18			2SC4081(R,S)	TRANSISTOR		
	Q19			2SC3246	TRANSISTOR	MXTEG	3
	Q19			2SC3246	TRANSISTOR	YMXTEG	4
	Q19			2SC3246	TRANSISTOR	M	2
⚠	Q20			2SD1893	TRANSISTOR		
	Q21			2SC4081(R,S)	TRANSISTOR		
	Q22			2SC1740S(Q,R)	TRANSISTOR		
	Q22			2SC2458(Y,GR)	TRANSISTOR		
	Q22			2SC2785(F,E)	TRANSISTOR		
	Q22			2SC3311A(Q,R)	TRANSISTOR		
⚠	Q26 ,27			2SB1370	TRANSISTOR		
⚠	Q26 ,27			2SB1375	TRANSISTOR		
⚠	Q28			2SA954(L,K)	TRANSISTOR		
	Q29			2SA1576(R,S)	TRANSISTOR		
	Q30			3(L,K)	TRANSISTOR		
	Q32			2SA1576(R,S)	TRANSISTOR		
	Q33			2SC1740S(Q,R)	TRANSISTOR		
	Q33			2SC2458(Y,GR)	TRANSISTOR		
	Q33			2SC2785(F,E)	TRANSISTOR		
	Q33			2SC3311A(Q,R)	TRANSISTOR		
	Q34 ,35			DTC124EU	DIGITAL TRANSISTOR		
	Q34 ,35			UN5212	TRANSISTOR		
	Q41			3(L,K)	TRANSISTOR		4
	Q43 ,44			2SC1845(F,E)	TRANSISTOR	MXTEG	3
	Q43 ,44			2SC1845(F,E)	TRANSISTOR		4
	Q43 ,44			2SC1845(F,E)	TRANSISTOR	M	2

CONTOL UNIT (X11-3600-00) : RXD-F42

	Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
	C1 -4			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
	C5 ,6			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
	C11			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
	C12 ,13			CK45FB1H102K	CERAMIC 1000PF K		
	C14			CK45FB1H332K	CERAMIC 3300PF K		
	C15			CK45FB1H102K	CERAMIC 1000PF K		
	C17			CK45FB1H152K	CERAMIC 1500PF K		
	C18			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
	C21 -23			CQ93FMG1H683J	MYLAR 0.068UF J		
	C24 ,25			CC45FSL1H100D	CERAMIC 10PF D		
	C26			CE04LW1C470M	ELECTRO 47UF 16WV		
	C28			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
	C29			CK45FB1H152K	CERAMIC 1500PF K		
	C30			CK45FB1H561K	CERAMIC 560PF K		
	C32			CK45FB1H102K	CERAMIC 1000PF K		
	C34 ,35			CK45FB1H102K	CERAMIC 1000PF K		
	C36			CK45FB1H821K	CERAMIC 820PF K		
	C37			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
	C38 -40			CQ93FMG1H104J	MYLAR 0.10UF J		
	C41 -43			CC45FSL1H101J	CERAMIC 100PF J		
	C44			CE04LW1C470M	ELECTRO 47UF 16WV		
	C51			CE04LW1C470M	ELECTRO 47UF 16WV		

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RXD-F3/F4/F41/F42

PARTS LIST

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NO. 23

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C52			CE04LW1C101M	ELECTRO 100UF 16WV		
C53 ,54			CQ93FMG1H104J	MYLAR 0.10UF J		
C56 ,57			CK45FF1H103Z	CERAMIC 0.010UF Z		
X1		*	L78-0626-05	RESONATOR (16M)		
⚠ R51			RD14NB2E100J	RD 10 J 1/4W		
D1			HZS6.2N(B2)	ZENER DIODE		
D1			RD6.2ES(B2)	ZENER DIODE		
D1			UZ-6.2BSB	ZENER DIODE		
IC1			M65840SP	MOS-IC		
IC2			XRU4052BC	MOS-IC		
IC3			NJM4565L-D	IC(OP AMP X2)		
⚠ IC4			TA7805S	IC(VOLTAGE REGULATOR/ +5V)		
⚠ IC4			UPC7805AHF	IC(VOLTAGE REGULATOR/ +5V)		
IC5 ,6			NJM4565L-D	IC(OP AMP X2)		
Q1			DTC124ES	DIGITAL TRANSISTOR		
Q1			UN4212	DIGITAL TRANSISTOR		
DISPLAY UNIT (X14-)						
D56 -60			B30-2462-05	LED(GRN)		
D61 -67		*	B30-2476-05	LED		
D69			B30-1291-05	LED	M	2
C2			C90-3258-05	ELECTRO 10UF 50WV		
C3			CK73FF1C105Z	CHIP C 1.0UF Z		
C4			CK73FB1H102K	CHIP C 1000PF K		
C5 ,6			CC73FSL1H101J	CHIP C 100PF J		
C7 ,8			C90-3253-05	ELECTRO 1.0UF 50WV		
C9			C90-3212-05	ELECTRO 47UF 6.3WV		
C10			C90-3253-05	ELECTRO 1.0UF 50WV		
C11			CK73FB1H103K	CHIP C 0.010UF K		
C12			CC73FCH1H180J	CHIP C 18PF J		
C13			CC73FCH1H220J	CHIP C 22PF J		
C16			CE04LW1V470M	ELECTRO 47UF 35WV		
C17			C91-0769-05	CERAMIC 0.010UF K		
C18			C90-3216-05	ELECTRO 330UF 6.3WV		
C20 ,21			CK73FB1H103K	CHIP C 0.010UF K		
C22			CK73FF1C105Z	CHIP C 1.0UF Z		
C23 ,24			CC73FSL1H561J	CHIP C 560PF J		
C25			CK73FF1C105Z	CHIP C 1.0UF Z		
C26 ,27			CK73FB1H222K	CHIP C 2200PF K		
C28			CK73FF1C105Z	CHIP C 1.0UF Z		
C29 ,30			CK73FB1E153K	CHIP C 0.015UF K		
C31			CK73FF1C105Z	CHIP C 1.0UF Z		
C32 ,33			CK73FB1E104K	CHIP C 0.10UF K		
C34			C90-3244-05	ELECTRO 10UF 35WV		
C35			CK73FB1E104K	CHIP C 0.10UF K		
C36 -38			CC73FSL1H470J	CHIP C 47PF J		
C301,302			CF92FV1H564J	MF-C 0.56UF J		3
C301,302			CF92FV1H564J	MF-C 0.56UF J		4
C301,302			CF92FV1H564J	MF-C 0.56UF J	M	2
C303,304			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		3
C303,304			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		4
C303,304			CE04LW1H2R2M	ELECTRO 2.2UF 50WV	M	2
C305,306			CC73FSL1H181J	CHIP C 180PF J		3

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NO. 24

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C305,306			CC73FSL1H181J	CHIP C 180PF J		4
C305,306			CC73FSL1H181J	CHIP C 180PF J	M	2
C307,308			CE04LW1V100M	ELECTRO 10UF 35WV		
C309,310			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C311,312			CK73FB1H102K	CHIP 1000PF K		
C313,314			CC73FSL1H470J	CHIP C 47PF J	XTEG	3
C313,314			CC73FSL1H470J	CHIP C 47PF J	XTEG	4
C315,316			CK45FB1H222K	CERAMIC 2200PF K	XTEG	3
C315,316			CK45FB1H222K	CERAMIC 2200PF K	XTEG	4
C317,318			CC45FSL1H101J	CERAMIC 100PF J	KRP	3
C317,318			CC45FSL1H101J	CERAMIC 100PF J	KRP	4
C317,318			CC45FSL1H101J	CERAMIC 100PF J		1
C317,318			CC45FSL1H221J	CERAMIC 220PF J	XTEG	3
C317,318			CC45FSL1H221J	CERAMIC 220PF J	XTEG	4
C317,318			CC45FSL1H680J	CERAMIC 68PF J	M	3
C317,318			CC45FSL1H680J	CERAMIC 68PF J	YM	4
C317,318			CC45FSL1H680J	CERAMIC 68PF J	M	2
C319,320			CE04LW1A101M	ELECTRO 100UF 10WV		
C321,322			CC73FSL1H681J	CHIP C 680PF J	M	3
C321,322			CC73FSL1H681J	CHIP C 680PF J	YM	4
C321,322			CC73FSL1H681J	CHIP C 680PF J	M	2
C321,322			CK73FB1H102K	CHIP C 1000PF K	KRP	3
C321,322			CK73FB1H102K	CHIP C 1000PF K	KRP	4
C321,322			CK73FB1H102K	CHIP 1000PF K		1
C321,322			CK73FB1H152K	CHIP C 1500PF K	XTEG	3
C321,322			CK73FB1H152K	CHIP C 1500PF K	XTEG	4
C331,332			CE04LW1C470M	ELECTRO 47UF 16WV		
C333			CE04HW1H2R2M	NP-ELEC 2.2UF 50WV		
C334			CE04LW1H101M	ELECTRO UF 50WV		
CN1			E40-4796-05	PIN ASSY		
CN2		*	E40-4857-05	PIN ASSY		
CN301,302			E40-4810-05	SOCKET FOR PIN ASSY		
		*	J19-3759-13	HOLDER	M	2
		*	J19-3782-03	HOLDER		1
-		*	J19-3782-03	HOLDER		
X1			L77-2111-05	CRYSTAL RESONATOR(32.768kHz)		
X2			L78-0605-05	RESONATOR (8.38MHz)		
CP1			R90-0803-05	MULTI-COMP 100KX7 J 1/4W		
CP2			R90-0864-05	MULTI-COMP 100KX14		
CP3			R90-0820-05	MULTI-COMP 47K X12		
R3			RK73FB2A202J	CHIP R 2.0K J 1/10W		
R7			RK73FB2A101J	CHIP R J 1/10W		
R12			RK73FB2A101J	CHIP R J 1/10W		4
R13 -15			RK73FB2A101J	CHIP R J 1/10W		
R17 ,18			RK73FB2A101J	CHIP R J 1/10W		
R28 -31			RK73FB2A101J	CHIP R J 1/10W		
R48			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R50			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R51			RK73FB2A102J	CHIP R 1.0K J 1/10W		
R52			RK73FB2A103J	CHIP R 10K J 1/10W		
R53			RK73FB2A104J	CHIP R 100K J 1/10W		
R54 ,55			RK73FB2A472J	CHIP R 4.7K J 1/10W		
R67 -72			RK73FB2A104J	CHIP R 100K J 1/10W		

L:Scandinavia	**K**: USA	**P**: Canada	**1**: RXD-F41 **2**: RXD-F42
Y: PX(Far East, Hawaii)	**T**: England	**E**:Europe	**3**: RXD-F3 **4**: RXD-F4
Y:AAFES(Europe)	**X**: Australia	**M**: Other Areas	

⚠ indicates safety critical components.

PARTS LIST

NO. 25

∗ New Parts
Parts without **Parts No.** are not supplied.
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Teile ohne **Parts No.** werden nicht geliefert.

Ref. No.	Add-ress	New Parts	Parts No.	Description				Desti-nation	Re-marks
R74			RK73FB2A104J	CHIP R	100K	J	1/10W		
R75			RK73FB2A473J	CHIP R	47K	J	1/10W		
R76			RK73FB2A101J	CHIP R	100	J	1/10W		
R79			RK73FB2A474J	CHIP R	470K	J	1/10W		
R80			RK73FB2A475K	CHIP R	4.7M	K	1/10W		
R81 ,82			RK73FB2A101J	CHIP R	100	J	1/10W		
R84			RK73FB2A101J	CHIP R	100	J	1/10W		
R85 -87			RK73FB2A103J	CHIP R	10K	J	1/10W		
R91 ,92			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R93			RK73FB2A302J	CHIP R	3.0K	J	1/10W		
R95 ,96			RK73FB2A103J	CHIP R	10K	J	1/10W		
R97 -103			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R106			RK73FB2A101J	CHIP R	100	J	1/10W		
R121			RK73FB2A223J	CHIP R	22K	J	1/10W		
R123			RK73FB2A223J	CHIP R	22K	J	1/10W		
R125			RK73FB2A223J	CHIP R	22K	J	1/10W		
R127			RK73FB2A223J	CHIPR	22K	J	1/10W		
R129			RK73FB2A223J	CHIPR	22K	J	1/10W		
R131			RK73FB2A223J	CHIPR	22K	J	1/10W		
R133			RK73FB2A223J	CHIPR	22K	J	1/10W		
R134			RK73FB2A103J	CHIPR	10K	J	1/10W		
R135			RK73FB2A223J	CHIPR	22K	J	1/10W		
R136			RK73FB2A103J	CHIPR	10K	J	1/10W		
R137			RK73FB2A223J	CHIPR	22K	J	1/10W		
R138			RK73FB2A103J	CHIPR	10K	J	1/10W		
R139			RK73FB2A223J	CHIPR	22K	J	1/10W		
R141			RK73FB2A223J	CHIPR	22K	J	1/10W		
R143			RK73FB2A223J	CHIPR	22K	J	1/10W		
R145			RK73FB2A223J	CHIPR	22K	J	1/10W		
R147			RK73FB2A223J	CHIPR	22K	J	1/10W		
R148			RK73EB2B103J	CHIPR	10K	J	1/8W		
R149			RK73FB2A223J	CHIPR	22K	J	1/10W		
R150			RK73FB2A103J	CHIPR	10K	J	1/10W		
R152			RK73FB2A223J	CHIPR	22K	J	1/10W	M	3
R152			RK73FB2A223J	CHIPR	22K	J	1/10W	YM	4
R152			RK73FB2A223J	CHIPR	22K	J	1/10W	M	
R154			RK73FB2A364J	CHIPR	360K	J	1/10W		
R155,156			RK73FB2A472J	CHIPR	4.7K	J	1/10W		
R157			RK73FB2A364J	CHIPR	360K	J	1/10W		
R158			RK73FB2A472J	CHIPR	4.7K	J	1/10W		
R159			RK73FB2A364J	CHIPR	360K	J	1/10W		
R164			RK73FB2A364J	CHIPR	360K	J	1/10W		
R165,166			RK73FB2A472J	CHIPR	4.7K	J	1/10W		
R167			RK73FB2A364J	CHIPR	360K	J	1/10W		
R168			RK73FB2A472J	CHIPR	4.7K	J	1/10W		
R169,170			RK73FB2A364J	CHIPR	360K	J	1/10W		
R171,172			RK73FB2A472J	CHIPR	4.7K	J	1/10W		
R173			RK73FB2A364J	CHIPR	360K	J	1/10W		
R174			RK73FB2A472J	CHIPR	4.7K	J	1/10W		
R175,176			RK73FB2A364J	CHIPR	360K	J	1/10W		
R177,178			RK73FB2A472J	CHIPR	4.7K	J	1/10W		
R179			RK73FB2A364J	CHIPR	360K	J	1/10W		
R180			RK73FB2A362J	CHIPR	3.6K	J	1/10W		
R181			RK73FB2A364J	CHIPR	360K	J	1/10W		
R194			RK73FB2A104J	CHIPR	100K	J	1/10W		

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Y:AAFES(Europe) **X**: Australia **M**: Other Areas ⚠ indicates safety critical components.

NO. 26

∗ New Parts
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Ref. No.	Add-ress	New Parts	Parts No.	Description				Desti-nation	Re-marks
R301			RK73FB2A101J	CHIP R	100	J	1/10W		
R307,308			RK73FB2A101J	CHIP R	100	J	1/10W		3
R307,308			RK73FB2A101J	CHIP R	100	J	1/10W		4
R307,308			RK73FB2A101J	CHIP R	100	J	1/10W	M	2
R309,310			RK73FB2A301J	CHIP R	300	J	1/10W		3
R309,310			RK73FB2A301J	CHIP R	300	J	1/10W		4
R309,310			RK73FB2A301J	CHIP R	300	J	1/10W	M	2
R311,312			RK73FB2A471J	CHIP R	470	J	1/10W		3
R311,312			RK73FB2A471J	CHIP R	470	J	1/10W		4
R311,312			RK73FB2A471J	CHIP R	470	J	1/10W	M	2
R313,314			RK73FB2A152J	CHIP R	1.5K	J	1/10W		3
R313,314			RK73FB2A152J	CHIP R	1.5K	J	1/10W		4
R313,314			RK73FB2A152J	CHIP R	1.5K	J	1/10W	M	2
R315,316			RK73FB2A103J	CHIP R	10K	J	1/10W		
R317,318			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
R319			RK73FB2A152J	CHIP R	1.5K	J	1/10W		
R321			RK73FB2A152J	CHIP R	1.5K	J	1/10W		
R325,326			RK73FB2A103J	CHIP R	10K	J	1/10W		
R327,328			RK73FB2A102J	CHIP R	1.0K	J	1/10W		
⚠ R340,341			RD14NB2E470J	RD	47	J	1/4W		
R347			RD14NB2E101J	RD	100	J	1/4W		
R351,352			RK73FB2A104J	CHIP R	100K	J	1/10W		
W202,203			R92-0670-05	CHIP R	0 OHM				
W205			R92-0670-05	CHIP R	0 OHM				
W207			R92-0679-05	CHIP R	0 OHM				
W209			R92-0670-05	CHIP R	0 OHM				
W210			R92-0679-05	CHIP R	0 OHM				
W215			R92-0670-05	CHIP R	0 OHM				
W216,217			R92-0679-05	CHIP R	0 OHM				
W223			R92-0670-05	CHIP R	0 OHM				
W225			R92-0670-05	CHIP R	0 OHM				
W401,402			R92-0670-05	CHIP R	0 OHM				1
S1-8			31-05	TACT	SWITCH				3
S9			31-05	TACT	SWITCH				4
S9			31-05	TACT	SWITCH			M	2
S10			31-05	TACT	SWITCH				1
S11			31-05	TACT	SWITCH				4
S11			31-05	TACT	SWITCH			M	2
S12			31-05	TACT	SWITCH				3
S13			31-05	TACT	SWITCH				4
S13			31-05	TACT	SWITCH			M	2
S14-32			31-05	TACT	SWITCH				1
S33			T99-0559-05	ROTARY ENCODER VOLUME CONTROL					
D1-15			HSS104A	DIODE					
D1-15			1SS131	DIODE					
D16			MA111	DIODE				M	3
D16			MA111	DIODE				YM	4
D16			MA111	DIODE				M	2
D17			HSS104A	DIODE				XTEG	4
D17			HSS104A	DIODE				XTEG	3
D17			1SS131	DIODE				XTEG	4
D17			1SS131	DIODE				XTEG	3
D18			HSS104A	DIODE				KRPM	3

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Y:AAFES(Europe) **X**: Australia **M**: Other Areas ⚠ indicates safety critical components.

RXD-F3/F4/F41/F42

PARTS LIST

* New Parts
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NO. 27

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
D18			1SS131	DIODE	KRPM	3
D18 ,19			HSS104A	DIODE		1
D18 ,19			HSS104A	DIODE	M	2
D18 ,19			1SS131	DIODE		1
D18 ,19			1SS131	DIODE	M	2
D19			HSS104A	DIODE	EG	4
D19			1SS131	DIODE	EG	4
D20			HSS104A	DIODE	T	4
D20			HSS104A	DIODE	T	3
D20			1SS131	DIODE	T	4
D20			1SS131	DIODE	T	3
D21			HSS104A	DIODE	MXEG	3
D21			HSS104A	DIODE	YMXEG	4
D21			HSS104A	DIODE	M	2
D21			1SS131	DIODE	MXEG	3
D21			1SS131	DIODE	YMXEG	4
D21			1SS131	DIODE	M	2
D22			MA111	DIODE	M	3
D22			MA111	DIODE	YM	4
D22			MA111	DIODE	M	2
D23			HSS104A	DIODE	XEG	3
D23			HSS104A	DIODE	XEG	4
D23			1SS131	DIODE	XEG	3
D23			1SS131	DIODE	XEG	4
D24 -27			MA111	DIODE		
D28 -39			HSS104A	DIODE		
D28 -39			1SS131	DIODE		
D40 -43			MA111	DIODE		
D44			HSS104A	DIODE		
D44			1SS131	DIODE		
D50 -55			HSS104A	DIODE		
D50 -55			1SS131	DIODE		
D68			HZS5.1N(B2)	ZENER DIODE		
D68			RD5.1ES(B2)	ZENER DIODE		
D68			UZ-5.1BSB	ZENER DIODE		4
D68			UZ-5.1BSB	ZENER DIODE	M	2
D72			HSS104A	DIODE		
D72			1SS131	DIODE		
D73 ,74			MA111	DIODE		
D75 -80			HSS104A	DIODE		
D75 -80			1SS131	DIODE		
D301			HZS3.9N(B2)	ZENER DIODE		
D301			RD3.9ES(B2)	ZENER DIODE		
D301			UZ-3.9BSB	ZENER DIODE		4
D301			UZ-3.9BSB	ZENER DIODE	M	2
ED1		*	BJ344GK	INDICATOR TUBE		
ED1		*	FIP8AMW6R	INDICATOR TUBE		
IC1		*	M38198MC-053FP	MI-COM IC		
IC2		*	NJU3718G	MOS-IC		
IC3		*	PST993D-T	ANALOGUE IC		
IC3			S-806D-Z	ANALOGUE IC		
IC4 ,5			NJM4565D	IC(OP AMP X2)		
IC301			NJM4565D-D	IC(OP AMP X2)		
Q1 -8			2SC4081	TRANSISTOR		
Q9 -24			2SA1576	TRANSISTOR	M	3

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NO. 28

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
Q9 -24			2SA1576	TRANSISTOR	YM	4
Q9 -24			2SA1576	TRANSISTOR	M	2
Q10 -24			2SA1576	TRANSISTOR		3
Q10 -24			2SA1576	TRANSISTOR		4
Q10 -24			2SA1576	TRANSISTOR		1
Q301,302			2SC1845(F,E)	TRANSISTOR		3
Q301,302			2SC1845(F,E)	TRANSISTOR		4
Q301,302			2SC1845(F,E)	TRANSISTOR	M	2
Q303-306			2SC2878(B)	TRANSISTOR		
Q307-310			2SC1845(F,E)	TRANSISTOR		
Q311,312			2SA992(F,E)	TRANSISTOR		
Q313			2SA1048(Y,GR)	TRANSISTOR		
Q313			2SA1175(F,E)	TRANSISTOR		
Q313			2SA1309A(Q,R)	TRANSISTOR		
Q313			2SA933S(Q,R)	TRANSISTOR		
A1			W02-1174-05	ELECTRIC CIRCUIT MODULE		
A1			W02-1191-05	ELECTRIC CIRCUIT MODULE		
RECORD/ PLAY BACK UNIT (X28-)						
C1 ,2			CK45FB1H681K	CERAMIC 680PF K		
C3 ,4			CE04LW1V100M	ELECTRO 10UF 35WV		
C5 ,6			CK45FB1H391K	CERAMIC 390PF K		
C7 ,8			CE04LW1C470M	ELECTRO 47UF 16WV		
C9 ,10			CQ93FMG1H153J	MYLAR 0.015UF J		
C11 ,12			CK45FB1H222K	CERAMIC 2200PF K		
C13 -16			CC45FSL1H221J	CERAMIC 220PF J		
C19 ,20			CK45FB1H681K	CERAMIC 680PF K		
C21 ,22			CE04LW1V100M	ELECTRO 10UF 35WV		
C23 ,24			CK45FB1H391K	CERAMIC 390PF K		
C25 ,26			CE04LW1C470M	ELECTRO 47UF 16WV		
C27 ,28			CQ93FMG1H223J	MYLAR 0.022UF J		
C29 ,30			CK45FB1H682K	CERAMIC 6800PF K		
C31 ,32			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C33 ,34			CQ93FMG1H333J	MYLAR 0.033UF J		
C35 ,36			CK45FB1H222K	CERAMIC 2200PF K		
C37 -40			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C41 ,42			CQ93FMG1H393J	MYLAR 0.039U F J		
C43 ,44			CE04LW1H0R1M	ELECTRO 0.1UF 50WV		
C45 ,46			CE04LW1V100M	ELECTRO 10UF 35WV		
C47 ,48			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C49 ,50			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C51 ,52			CE04LW1A101M	ELECTRO 100UF 10WV		
C53 ,54			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C55 ,56			C91-1436-05	FILM 220PF J		
C57 ,58			C91-1434-05	FILM 150PF J		
C59 -62			CK45FF1H223Z	CERAMIC 0.022UF Z		
C63 ,64			CK45FB1H561K	CERAMIC 560PF K		
C65 ,66			CK45FF1H103Z	CERAMIC 0.010UF Z		
C101			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C102			CE04LW1C220M	ELECTRO 22UF 16WV		
C103			CE04LW1C101M	ELECTRO 100UF 16WV		
C104			CE04LW1H0R1M	ELECTRO 0.1UF 50WV		
C105			CQ93FMG1H103J	MYLAR 0.010UF J		
C106			CK45FB2H471K	CERAMIC 470PF K		
C107			CQ93HP2A103J	MYLAR 0.010UF J		

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RXD-F3/F4/F41/F42

PARTS LIST

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NO. 29

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C108			CC45FSL2H100D	CERAMIC 10PF D		
C109			CE04LW1V100M	ELECTRO 10UF 35WV		
C110			CQ93FMG1H103J	MYLAR 0.010UF J		
C111,112			CQ93FMG1H562J	MYLAR 5600PF J		
C113			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C114,115			CK45FF1H103Z	CERAMIC 0.010UF Z		
C116,117			CE04LW1C101M	ELECTRO 100UF 16WV		
C118			CK45FF1H103Z	CERAMIC 0.010UF Z		
C119			CC45FSL1H271J	CERAMIC 270PF J		
C120			CC45FSL1H271J	CERAMIC 270PF J		
CN1			E40-3247-05	PIN ASSY		
CN2			E40-3249-05	PIN ASSY		
CN3 ,4			E40-4609-05	PIN ASSY		
CN5			E40-0512-05	PIN ASSY		
CN6			E40-4804-05	SOCKET FOR PIN ASSY		
L1 -4			L40-1035-20	SMALL FIXED INDUCTOR(10MH,J)		
L5 ,6			L79-1201-05	LC FILTER		
L7 ,8			L32-0547-05	BIAS OSCILATING COIL		
L9			L32-0570-05	BIAS OSCILATING COIL		
⚠ R120			RD14NB2E100J	RD 10 J 1/4W		
⚠ R165			RD14NB2E100J	RD 10 J 1/4W		
VR1 ,2			R12-0606-05	TRIMMING POT.(330)		
VR3 ,4			R12-0605-05	TRIMMING POT.(220)		
VR7 ,8			R12-1619-05	TRIMMING POT.(4.7K)		
VR52			R12-1619-05	TRIMMING POT.(4.7K)		
K1			S51-2089-05	MAGNETIC RELAY		
K1			18-05	MAGNETIC RELAY		
D1 ,2			HSS104	DIODE		
D1 ,2			1SS133	DIODE		
D4 -6			HSS104	DIODE		
D4 -6			1SS133	DIODE		
D7			RD2.7ES(B2)	ZENER DIODE		
D7			UZ-2.7BSB	ZENER DIODE		
D8			HSS104	DIODE		
D8			1SS133	DIODE		
IC1 ,2			TA8125S	IC(2CH PRE AMP)		
IC3			HA12182F	ANALOGUE IC		
IC4			UPC1297CA	IC(DOL HX PRO SYSTEM)		
IC5			BA10393	IC(DUAL COMPALATOR)		
IC6 ,7			BU4094BC	MOS-IC		
Q1 ,2			DTC124ES	DIGITAL TRANSISTOR		
Q1 ,2			UN4212	TRANSISTOR		
Q3 ,4			2SD1302(S,T)	TRANSISTOR		
Q3 ,4			2SD1450(S,T)	TRANSISTOR		
Q51			DTC124ES	DIGITAL TRANSISTOR		
Q51			UN4212	TRANSISTOR		
Q52			2SC1740S(Q,R)	TRANSISTOR		
Q52			2SC2458(Y,GR)	TRANSISTOR		
Q52			2SC2785(F,E)	TRANSISTOR		
Q52			2SC3311A(Q,R)	TRANSISTOR		
Q53			DTA124ES	DIGITAL TRANSISTOR		
Q53			UN4112	TRANSISTOR		
Q54 ,55			2SC1845(F,E)	TRANSISTOR		

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NO. 30

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
Q56 ,57			2SC1740S(Q,R)	TRANSISTOR		
Q56 ,57			2SC2458(Y,GR)	TRANSISTOR		
Q56 ,57			2SC2785(F,E)	TRANSISTOR		
Q56 ,57			2SC3311A(Q,R)	TRANSISTOR		
⚠ Q58			2SC3940A(R,S)	TRANSISTOR		
Q59			2SC1740S(Q,R)	TRANSISTOR		
Q59			2SC2458(Y,GR)	TRANSISTOR		
Q59			2SC2785(F,E)	TRANSISTOR		
Q59			2SC3311A(Q,R)	TRANSISTOR		
Q60			2SA992(F,E)	TRANSISTOR		
Q61			DTC124ES	DIGITAL TRANSISTOR		
Q61			UN4212	TRANSISTOR		
Q63 -65			2SC3246	TRANSISTOR		
CD PLAYER UNIT (X32-)						
C1			CQ93FMG1H103J	MYLAR 0.010UF J		
C2			CQ93FMG1H472J	MYLAR 4700PF J		
C3			CC45FSL1H470J	CERAMIC 47PF J		
C4			CF92FV1H474J	MF-C 0.47UF J		
C5			CE04LW1A101	M ELECTRO 10UF 10WV		
C6			CQ93FMG1H104J	MYLAR 0.10UF J		
C7			CE04HW1H2R2M	NP-ELEC 2.2UF 50WV		
C8			CQ93FMG1H104J	MYLAR 0.10UF J		
C9			CQ93FMG1H333J	MYLAR 0.033UF J		
C10			CC45FSL1H101J	CERAMIC 100PF J		
C11			CQ93FMG1H102J	MYLAR 1000PF J		
C12			CC45FSL1H221J	CERAMIC 220PF J		
C13			CQ93FMG1H473J	MYLAR 0.047UF J		
C14			CE04LW1V100M	ELECTRO 10UF 35WV		
C15			CE04HW1E100M	NP-ELEC 10UF 25WV		
C16 -18			CQ93FMG1H103J	MYLAR 0.010UF J		
C19			CQ93FMG1H333J	MYLAR 0.033UF J		
C20			CE04LW0J331M	ELECTRO 330UF 6.3WV		
C21			CK45FF1H103Z	CERAMIC 0.010UF Z		
C22			CE04LW1A101M	ELECTRO 10UF 10WV		
C23			CF92FV1H224J	MF-C 0.22UF J		
C24 ,25			CE04LW1A101M	ELECTRO 100UF 10WV		
C26			CC45FSL1H270J	CERAMIC 27PF J		
C27			CQ93FMG1H222J	MYLAR 2200PF J		
C28			CQ93FMG1H333J	MYLAR 0.033UF J		
C29			CQ93FMG1H103J	MYLAR 0.010UF J		
C30			CQ93FMG1H222J	MYLAR 2200PF J		
C35 ,36			CE04HW1H010M	NP-ELEC 1.0UF 50WV		
C37			CE04LW1A470M	ELECTRO 47UF 10WV		
C38			CQ93FMG1H332J	MYLAR 3300PF J		
C39			CK45FF1H103Z	CERAMIC 0.010UF Z		
C40			CQ93FMG1H473J	MYLAR 0.047UF J		
C41			CQ93FMG1H152J	MYLAR 1500PF J		
C42			CQ93FMG1H103J	MYLAR 0.010UF J		
C43			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C45			CE04LW0J331M	ELECTRO 330UF 6.3WV		
C46			CE04LW1A470M	ELECTRO 47UF 10WV		
C55			CE04LW0J331M	ELECTRO 330UF 6.3WV		
C56			CE04LW1A331M	ELECTRO 330UF 10WV		
C57 ,58			CC45FSL1H221J	CERAMIC 220PF J		

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Y:AAFES(Europe)　**X**: Australia　**M**: Other Areas
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RXD-F3/F4/F41/F42

PARTS LIST

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NO. 31

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
C59 -62			CQ93FMG1H391K	MYLAR 390PF K		
C63 ,64			CQ93FMG1H222J	MYLAR 2200PF J		
C65 ,66			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C67			CE04LW1A101M	ELECTRO 100UF 10WV		
C68 ,69			CE04LW1A471M	ELECTRO 470UF 10WV		
C70			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C71			CE04LW1A470M	ELECTRO 47UF 10WV		
C72			CE04LW1C470M	ELECTRO 47UF 16WV		
C73			CK45FF1H223Z	CERAMIC 0.022UF Z		
C74 ,75			CE04LW1V100M	ELECTRO 10UF 35WV		
C76			CC45FSL1H331J	CERAMIC 330PF J		
C77			CC45FSL1H271J	CERAMIC 270PF J		
C79 -82			CK45FF1H223Z	CERAMIC 0.022UF Z		
CN1	1I		E40-4856-05	FLAT CABLE CONNCTOR		
CN2			E40-0711-05	PIN ASSY		
CN3			E40-4377-05	PIN ASSY		
CN4			E40-4763-05	PIN ASSY		
CN5			E40-3247-05	PIN ASSY		
CN6			E40-4762-05	PIN ASSY		
CN7	1J		E40-4173-05	FLAT CABLE CONNCTOR		
			J11-0098-05	WIRE CLAMPER		
L1			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)		
X1			L78-0299-05	RESONATOR (16.93M)		
VR1			R12-3688-05	TRIMMING POT.(47K)		
VR3			R12-3685-05	TRIMMING POT.(10K)		
VR4			R12-3687-05	TRIMMING POT.(33K)		
D1 -6			HSS104	DIODE		
D1 -6			1SS133	DIODE		
D7			HZS3.3N(B2)	ZENER DIODE		
D7			MTZJ3.3(B)	ZENER DIODE		
D7			RD3.3ES(B2)	ZENER DIODE		
D10 ,11			HSS104	DIODE		
D10 ,11			1SS133	DIODE		
IC1			CXA1782BQ	MOS-IC		
IC2		*	CXD2508AQ	MOS-IC		
IC3			BA6398FP	ANALOGUE IC		
IC4 ,5			TA8409S	IC(MOTOR CONTROL)		
IC6		*	BU4094BC	MOS-IC		
IC7			NJM2100D	ANALOGUE IC		
IC8			M5237L	ANALOGUE IC		
Q1			2SC1740S(Q,R)	TRANSISTOR		
Q1			2SC2458(Y,GR)	TRANSISTOR		
Q1			2SC2785(F,E)	TRANSISTOR		
Q1			2SC3311A(Q,R)	TRANSISTOR		
Q2			2SA954(L,K)	TRANSISTOR		
Q3			DTA124ES	DIGITAL TRANSISTOR		
Q3			UN4112	TRANSISTOR		
Q4			2SA954(L,K)	TRANSISTOR		
Q5			2SC1740S(Q,R)	TRANSISTOR		
Q5			2SC2458(Y,GR)	TRANSISTOR		
Q5			2SC2785(F,E)	TRANSISTOR		
Q5			2SC3311A(Q,R)	TRANSISTOR		

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NO. 32

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
⚠ Q6			2SA1534A(R,S)	TRANSISTOR		
Q7			DTC124ES	DIGITAL TRANSISTOR		
Q7			UN4212	TRANSISTOR		
Q8			2SB1375	TRANSISTOR		
Q8			2SB1565(E,F)	TRANSISTOR		
Q9 ,10			2SA1048(Y,GR)	TRANSISTOR		
Q9 ,10			2SA1175(F,E)	TRANSISTOR		
Q9 ,10			2SA1309A(Q,R)	TRANSISTOR		
Q9 ,10			2SA933S(Q,R)	TRANSISTOR		
Q11 ,12			2SC2878(B)	TRANSISTOR		
CD MECHANISM (D40-1412-08)						
101	3B		A10-3119-08	CHASSIS (MAIN)		
102	3A	*	A15-0089-08	FRAME (MD-B)		
105	2A	*	D10-3533-08	SLIDER (LIFT)		
107	2B		D10-3459-08	LEVER (LOCK)		
108	2A		D10-3460-08	LEVER (BRAKE)		
109	2B		D10-3496-08	FRICTION ARM ASSY		
110	2A		D10-3606-08	FEED SHAFT		
113	1A		D13-1599-08	GEAR (IDLER)		
114	2B		D13-1600-08	GEAR (LOAD)		
115	2B		D13-1601-08	GEAR (CENTER)		
117	3A		D13-1603-08	CAM GEAR(UP/DOWN)		
118	1A		D13-1604-08	GEAR (HELICAL)		
119	2A		D13-1720-08	GEAR		
120	2B,3B		D14-0361-08	ROLLER (TRAY)		
122	2B		D15-0366-08	PULLEY (LOAD)		
123	2B		D16-0363-08	DRIVE BELT		
125	2B		D21-1762-08	SHAFT (PULLEY)		
132	1B,2B		E35-0811-08	3P WIRE		
133	1B,3B	*	E35-1184-08	6P WIRE		
134	2A,1B	*	E35-1185-08	6P FLAT WIRE		
135	3A,1B	*	E35-1186-08	6P WIRE (TU-D)		
136	3A,1B	*	E35-1187-08	16P FFC		
137	3A		E40-3264-05	CONNECTOR		
140	1A		F07-0732-08	COVER (TRAY)		
141	2B		F07-0736-08	COVER		
145	3A	*	G01-3806-08	SPRING (MD-G)		
146	3A	*	G01-3807-08	SPRING (MD-H)		
148	3A		G01-3663-08	SPRING (CAM)		
149	2B		G01-3664-08	SPRING (LOCK)		
150	2A		G01-3665-08	SPRING (BRAKE)		
151	2A		G01-3768-08	SPRING (LEFT)		
152	1A,1B		G16-0821-04	SHEET (TRAY)		
153	3B	*	G16-0856-08	FILAMENT TAPE		
155	2A	*	J02-1133-08	INSULATOR		
156	2B		J11-0301-08	CLAMPER		
157	1B	*	J19-3758-08	BRACKET (CLAMP)		
158	2B		J19-3660-08	BRACKET (GEAR)		
159	2B,3B		J19-3661-08	BRACKET (TRAY)		
160	3A		J61-0081-05	SK BINDER SKB-100		
161	1A		J99-0541-08	TRAY (SLIDE)		
162	1A		J99-0542-08	TRAY (ROTARY)		
L			N09-2658-08	SCREW		

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RXD-F3/F4/F41/F42

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NO. 33

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
M			N09-3053-08	SCREW		
N			N09-3107-08	SCREW		
P			N09-3140-08	SCREW		
Q			N09-3141-08	SCREW		
165	2B		S33-2061-05	LEVER SWITCH		
166	1A,2A		15-08	LEVER SWITCH JPS1220-0201		
167	3A		38-08	LEAF SWITCH		
170	1B		T50-1055-04	YOKE		
171	1B		T99-0544-05	MAGNET		
DM	3A		A11-1082-08	TT CHASSIS ASSY		
FM	3A		T42-0817-08	MOTOR GEAR (FEED)		
LM	3B		T42-0682-08	MOTOR PULLEY ASSY		
PU	3A		41-05	PICKUP (KSS-213B/S-N)		
RTM	2B		T42-0683-08	MOTOR WORM ASSY		
CASSETTE DECK MECHANISM (D40-1427-08)						
401	2C,3D		A10-3174-08	HEAD CHASSIS		
403	1D,3E	✻	A10-3240-08	CHSSIS OUTSART ASSY		
404	1D,2E	✻	D01-0184-08	FLYWHEEL (LW) ASSY		
405	1E	✻	D01-0185-08	FLYWHEEL (A) ASSY		
406	2F	✻	D01-0186-08	FLYWHEEL (B) ASSY		
407	1C		D10-3468-08	INTER LOCK ARM (L)(A DECK)		
408	3F		D10-3469-08	INTER LOCK ARM (R)(B DECK)		
409	2D,3F		D10-3470-08	TRIGGER ARM		
410	2D,3F		D10-3471-08	HEAD CHANGE ARM		
412	1C		D10-3476-08	EJECT LEVER (L) (A DECK)		
413	3E		D10-3477-08	EJECT LEVER (R) (B DECK)		
414	2C,3D		D10-3478-08	SELET LEVER		
415	1D,2E		D10-3479-08	SHIFT LEVER		
416	2C,3D		D10-3480-08	C/R LEVER		
420	3C		D13-0981-08	ROTATION GEAR		
421	1C,2D		D13-1616-08	REW GEAR		
422	2C,2D		D13-1617-08	REEL GEAR		
423	1D,2F		D13-1618-08	IDLER GEAR		
424	3C,3D		D13-1621-08	RETURN GEAR		
425	1D,2E		D13-1622-08	CAM GEAR		
426	2D,3E		D14-0367-08	PINCH ARM (R) ASSY		
427	2C,3D		D14-0368-08	PINCH ARM (L) ASSY		
428	1D,2F		D15-0369-08	IDLER PULLEY		
429	2F	✻	D16-0393-08	DRIVE BELT (BW)		
430	1E	✻	D16-0392-08	DRIVE BELT (AW)		
431	1E	✻	D15-0387-08	PULLEY (A)		
432	1E,2F	✻	D16-0391-08	CLUTCH BELT		
433	2C,3D		D19-0270-18	REEL CAP (A)		
434	1C,1E		D19-0287-08	CLUTCH ARM ASSY		
439	1E,1F		E35-0396-08	15P FLAT RIBBON WIRE		
440	3C	✻	E35-1242-08	3P HEAD WIRE ASSY (A DECK)		
441	3C	✻	E35-1243-08	5P HEAD WIRE ASSY (B DECK)		
442	1F		E35-0986-08	MOTOR WIRE		
443	3C		G01-3790-08	EARTH SPRING (B)		
444	2D,3F		G01-3712-08	HEAD CHANGE ARM SP		
445	2C,3D		G01-3709-08	B.T SPRING		
446	1C,2D		G01-3710-08	SHIFT LEVER SP		
447	2D,3F		G01-3711-08	TRIGGER ARM SP		

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NO. 34

Ref. No.	Add-ress	New Parts	Parts No.	Description	Desti-nation	Re-marks
448	2E,3D		G01-3720-08	HEAD RETURN PLAY SP		
449	1C,3F		G01-3713-08	EJECT SP		
450	2C,3D		G01-3714-08	C/R LEVER SP		
451	2C,3D		G01-3715-08	SELECT LEVER SP		
452	2C,3D		G01-3716-08	SHIFT SP		
453	1C		G01-3717-08	INTER LOCK SP (L)		
454	3C,3D		G01-3718-08	RETURN SP		
455	3C,3D		G01-3719-08	FWD SP		
456	2D,3F		G01-3723-08	INTER LOCK SP (R)		
457	2C,3D		G01-3739-08	HEAD CHSSIS SP		
458	2D,3E		G01-3721-08	BRAKE SP (R)		
459	1C,2E		G01-3722-08	BRAKE SP (L)		
460	1C,2E		G01-3724-08	CLUTCH ARM SPRING (B)		
461	1D,2E		G01-3725-08	CLUTCH SP		
462	1C,2D		G02-0913-08	PACK SPRING		
463	3C		G02-1068-08	AZIMUTH SP (B)		
464	2C,3D	✻	G02-1071-08	LIFT BKT		
465	3C		G11-2100-08	HEAD WIRE CLAMP		
466	1D,2F		G11-2205-08	TUBE		
467	2D,3E		G16-0791-08	REFLECT SEAL		
469	3C		J21-6184-08	HEAD PLATE ASSY		
470	1E,2F		J19-3652-08	CABLE HOLDER		
471	2C,3D		J21-6135-08	HEAD RETURN PLATE		
472	1D	✻	J21-6307-08	BKT (B) ASSY		
473	2D	✻	J21-6308-08	MECHA BKT		
474	2C,3D		J42-0183-08	REEL BUSH		
475	2D,3E		J69-0086-08	FILAMENT TAPE		
476	3C,3D		J39-0188-08	HEAD BASE		
477	2C,3D		J90-0832-08	SHIFT SPRING GUIDE		
AA			N19-1316-08	POLY WASHER		
AB			N19-1354-08	POLY WASHER		
AC			N19-1288-08	POLY WASHER		
AD			N19-1355-08	NYLON WASHER		
AE			N19-1385-08	POLY WASHER		
AF			N19-1386-08	POLY WASHER		
AG			N19-1387-08	TEFRON WASHER		
AH			N19-1388-08	POLY WASHER		
AK			N19-1035-08	POLY WASHER		
AL		✻	N19-1396-08	POLY WASHER		
AM			N19-1384-08	POLY WASHER		
S			N09-1497-08	TAP TITE SCREW		
T			N09-2871-08	TAPPING SCREW		
U			N09-2876-08	HEAD SCREW (RVS)		
V			N09-3135-08	BIND TAP TITE SCREW		
W		✻	N09-3195-08	TAP TITE SCREW		
Y			N09-2901-08	BIND TAP TITE SCREW		
Z			N09-3112-08	AZIMUTH SCREW		
480	1E,2F		S74-0033-08	REC SWITCH		
481	1E,2F		S74-0042-08	PLAY SWITCH		
484	1E,2F		T94-0233-08	SOLENOID ASSY		
485	1E,2F		T95-0125-08	PHOTO INTERRUPTER		
MM	2F	✻	T42-0813-08	MOTOR ASSY		
PH	2C		T31-0066-08	PLAYBACK HEAD MK10P-AB215		
RPEH	3C		R/P ERASE	HEAD YK56R-AA405		

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